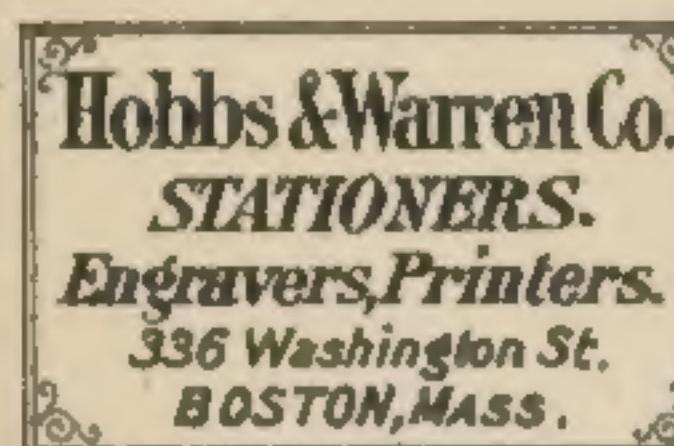


SB 97.41.1 (14)

William Brewster,  
145, Brattle Street,  
Cambridge, Mass., U.S.A.

(The finder of this diary will  
be suitably rewarded on  
returning it to the above  
address.)



THE  
EXCELSIOR  
DIARY

1902

## CHLENDAR, 1902

| 1902 |      |        |        |      |       |      |
|------|------|--------|--------|------|-------|------|
| JUN. | MAY. | APRIL. | MARCH. | FEB. | JAN.  |      |
| SUN. | MON. | TUE.   | WED.   | THU. | FRI.  | SAT. |
| ..   | ..   | ..     | ..     | 1    | 2     | 3 4  |
| 5    | 6    | 7      | 8      | 9    | 10    | 11   |
| 12   | 13   | 14     | 15     | 16   | 17    | 18   |
| 19   | 20   | 21     | 22     | 23   | 24    | 25   |
| 26   | 27   | 28     | 29     | 30   | 31    | ..   |
| ..   | ..   | ..     | ..     | ..   | ..    | 1    |
| 2    | 3    | 4      | 5      | 6    | 7     | 8    |
| 9    | 10   | 11     | 12     | 13   | 14    | 15   |
| 16   | 17   | 18     | 19     | 20   | 21    | 22   |
| 23   | 24   | 25     | 26     | 27   | 28    | ..   |
| ..   | ..   | ..     | ..     | ..   | ..    | 1    |
| 2    | 3    | 4      | 5      | 6    | 7     | 8    |
| 9    | 10   | 11     | 12     | 13   | 14    | 15   |
| 16   | 17   | 18     | 19     | 20   | 21    | 22   |
| 23   | 24   | 25     | 26     | 27   | 28    | 29   |
| 30   | 31   | ..     | ..     | ..   | ..    | ..   |
| ..   | ..   | ..     | ..     | ..   | ..    | ..   |
| 1    | 2    | 3      | 4      | 5    | 6     | 7    |
| 8    | 9    | 10     | 11     | 12   | 13    | 14   |
| 15   | 16   | 17     | 18     | 19   | 20    | 21   |
| 22   | 23   | 24     | 25     | 26   | 27    | 28   |
| 29   | 30   | ..     | ..     | ..   | ..    | ..   |
| DEC. | NOV. | OCT.   | SEPT.  | AUG. | JULY. | 1902 |

## ECLIPSES, 1902

There will be five Eclipses this year, three of the Sun and two of the Moon, as follows:

I. A Partial Eclipse of the Sun, April 8, visible around the north polar region only.

II. A Total Eclipse of the Moon, April 22, invisible in the United States except in the Philippine Islands.

III. A Partial Eclipse of the Sun, May 7, visible in the Southern Pacific Ocean.

IV. A Total Eclipse of the Moon, Oct. 16-17, visible as follows: (Eastern Standard Time.) Begins 11 h. 17 m. (16th) p. m.; middle, 1 h. 3 m. a. m. (17th); ends, 2 h. 50 m. Size of Eclipse, 17.6 digits.

V. A Partial Eclipse of the Sun, Oct. 30, invisible in the U.S.

### MORNING STARS.

MERCURY, Feb. 18 to April 28, June 23 to Aug. 11, and Oct. 19 to Dec. 12. VENUS, from Feb. 14 to Nov. 28. MARS, March 29 to Dec. 12. JUPITER, from Jan. 15 to May 7. SATURN, from Jan. 9 to April 18. URANUS, until March 12 and after Dec. 14. NEPTUNE, from June 23 to Sept. 27.

### EVENING STARS.

MERCURY, from Jan. 2 to Feb. 18, April 28 to June 23, Aug. 11 to Oct. 19, and after Dec. 12. VENUS, until Feb. 14 and after Nov. 28. MARS, until March 29 and after Dec. 22. JUPITER, until Jan. 15 and after May 7. SATURN, until Jan. 9 and after April 18. URANUS, from March 12 to Dec. 14. NEPTUNE, until June 23 and after Sept. 27.

### MOVABLE FEASTS.

|                      |         |                     |         |
|----------------------|---------|---------------------|---------|
| Septuagesima Sun...  | Jan. 26 | Easter Sunday.....  | Mar. 30 |
| Sexagesima "         | Feb. 2  | Low Sunday.....     | Apr. 6  |
| Quinquagesima "      | " 9     | Rogation Sunday.... | May 4   |
| Shrove Tuesday ..... | " 11    | Ascension Thursday, | " 3     |
| Ash Wednesday .....  | " 12    | Whit-Sunday (Pent.) | " 18    |
| Quadragesima Sun...  | " 16    | Trinity " .....     | " 25    |
| Mid-Lent " Mar. 9    | " 9     | Corpus Christi..... | " 29    |
| Palm Sunday .....    | " 23    | Advent Sunday ..... | Nov. 30 |
| Good Friday .....    | " 28    | Christmas Day.....  | Dec. 25 |

### CHRONOLOGICAL CYCLES.

|                         |    |                          |      |
|-------------------------|----|--------------------------|------|
| Dominical Letter.....   | E  | Roman Indiction .....    | 15   |
| Epact.....              | 21 | Julian Period .....      | 6615 |
| Lunar Cycle (Gold. No.) | 3  | Dionysian Period.....    | 231  |
| Solar Cycle .....       | 7  | Jewish Lunar Cycle ..... | 19   |

# JANUARY, 1902

| MOON'S PHASES.       | East. Time. | Cent. Time. | West. Time.  |
|----------------------|-------------|-------------|--------------|
| Last Quarter. 1 D.   | 11 h. 7 m.  | 10 h. 7 m.  | 9 h. 7 m.    |
| New Moon... 9 D.     | 4 h. 14 m.. | 3 h. 14 m.  | 2 h. 14 m.   |
| First Quarter. 17 D. | 1 h. 38 m.  | 0 h. 38 m.  | 11 h. 38(16) |
| Full Moon... 23 D.   | 7 h. 6 m.   | 6 h. 6 m.   | 5 h. 6 m.    |
| Last Quarter. 31 D.  | 8 h. 8 m.   | 7 h. 8 m.   | 6 h. 8 m.    |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

D. OF MO.

D. OF WK.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME.   |             |               | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. Is. | MEAN TIME.   |             |               | STAN.<br>TIME. | H. W.<br>Boston.<br>N. Yard |
|--------------|-------------|---------------|----------------|----------------------------|--------------|-------------|---------------|----------------|-----------------------------|
| Sun<br>rises | Sun<br>sets | Moon<br>rises |                |                            | Sun<br>rises | Sun<br>sets | Moon<br>rises |                |                             |
| 7 25         | 4 43        | morn          | 1 32           | 1                          | W.           | 7 30        | 4 38          | morn           | 4 51                        |
| 7 25         | 4 44        | 45            | 2 28           | 2                          | Th.          | 7 30        | 4 39          | 47             | 5 47                        |
| 7 25         | 4 45        | 1 42          | 3 23           | 3                          | F.           | 7 30        | 4 40          | 1 45           | 6 42                        |
| 7 25         | 4 46        | 2 39          | 4 18           | 4                          | S.           | 7 30        | 4 41          | 2 42           | 7 37                        |
| 7 25         | 4 47        | 3 34          | 5 8            | 5                          | S.           | 7 30        | 4 42          | 3 38           | 8 28                        |
| 7 25         | 4 48        | 4 27          | 5 53           | 6                          | M.           | 7 29        | 4 43          | 4 32           | 9 15                        |
| 7 25         | 4 49        | 5 20          | 6 36           | 7                          | T.           | 7 29        | 4 44          | 5 24           | 9 57                        |
| 7 24         | 4 50        | 6 7           | 7 15           | 8                          | W.           | 7 29        | 4 45          | 6 11           | 10 38                       |
| 7 24         | 4 51        | 6 50          | 7 54           | 9                          | Th.          | 7 29        | 4 46          | 6 54           | 11 17                       |
| 7 24         | 4 52        | sets          | 8 31           | 10                         | F.           | 7 29        | 4 47          | sets           | 11 57                       |
| 7 24         | 4 53        | 7 7           | 9 9            | 11                         | S.           | 7 29        | 4 48          | 7 5            | morn                        |
| 7 23         | 4 54        | 8 9           | 9 50           | 12                         | S.           | 7 28        | 4 50          | 8 7            | 37                          |
| 7 23         | 4 55        | 9 12          | 10 35          | 13                         | M.           | 7 28        | 4 51          | 9 11           | 1 23                        |
| 7 23         | 4 56        | 10 16         | 11 24          | 14                         | T.           | 7 28        | 4 52          | 10 16          | 2 7                         |
| 7 22         | 4 57        | 11 21         | morn           | 15                         | W.           | 7 27        | 4 53          | 11 23          | 2 54                        |
| 7 22         | 4 59        | morn          | 19             | 16                         | Th.          | 7 27        | 4 54          | morn           | 3 44                        |
| 7 21         | 5 0         | 29            | 1 20           | 17                         | F.           | 7 26        | 4 55          | 31             | 4 39                        |
| 7 21         | 5 1         | 1 35          | 2 27           | 18                         | S.           | 7 26        | 4 56          | 1 39           | 5 37                        |
| 7 21         | 5 2         | 2 44          | 3 33           | 19                         | S.           | 7 25        | 4 58          | 2 48           | 6 38                        |
| 7 20         | 5 3         | 3 49          | 4 36           | 20                         | M.           | 7 24        | 4 59          | 3 53           | 7 38                        |
| 7 19         | 5 4         | 4 51          | 5 35           | 21                         | T.           | 7 24        | 5 0           | 4 56           | 8 38                        |
| 7 18         | 5 5         | 5 47          | 6 30           | 22                         | W.           | 7 23        | 5 1           | 5 51           | 9 35                        |
| 7 17         | 5 7         | rises         | 7 22           | 23                         | Th.          | 7 22        | 5 3           | rises          | 10 30                       |
| 7 17         | 5 8         | 6 19          | 8 12           | 24                         | F.           | 7 22        | 5 4           | 6 17           | 11 22                       |
| 7 16         | 5 9         | 7 25          | 9 1            | 25                         | S.           | 7 21        | 5 5           | 7 24           | ev. 12                      |
| 7 16         | 5 10        | 8 30          | 9 48           | 26                         | S.           | 7 20        | 5 6           | 8 29           | 1 1                         |
| 7 15         | 5 11        | 9 32          | 10 33          | 27                         | M.           | 7 19        | 5 8           | 9 32           | 1 49                        |
| 7 14         | 5 13        | 10 32         | 11 16          | 28                         | T.           | 7 18        | 5 9           | 10 38          | 2 37                        |
| 7 13         | 5 14        | 11 36         | ev. 0          | 29                         | W.           | 7 17        | 5 10          | 11 37          | 3 25                        |
| 7 12         | 5 15        | morn          | 46             | 30                         | Th.          | 7 16        | 5 12          | morn           | 4 15                        |
| 7 12         | 5 16        | 27            | 1 34           | 31                         | F.           | 7 15        | 5 13          | 30             | 5 16                        |

Heavy figures, 12 noon to 12 midnight.

# FEBRUARY, 1902

| MOON'S PHASES.       | East. Time. | Cent. Time. | West. Time. |
|----------------------|-------------|-------------|-------------|
| New Moon... 8 D.     | 8 h. 21 m.  | 7 h. 21 m.  | 6 h. 21 m.  |
| First Quarter. 15 D. | 9 h. 56 m.  | 8 h. 56 m.  | 7 h. 56 m.  |
| Full Moon... 22 D.   | 8 h. 3 m.   | 7 h. 3 m.   | 6 h. 3 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

D. OF MO.

D. OF WK.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME.   |             |               | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. Is. | MEAN TIME.   |             |               | STAN.<br>TIME. | H. W.<br>Boston.<br>N. Yard |
|--------------|-------------|---------------|----------------|----------------------------|--------------|-------------|---------------|----------------|-----------------------------|
| Sun<br>rises | Sun<br>sets | Moon<br>rises |                |                            | Sun<br>rises | Sun<br>sets | Moon<br>rises |                |                             |
| 7 11         | 5 18        | 1 24          | 2 29           | 1                          | S.           | 7 14        | 5 14          | 1 27           | 5 59                        |
| 7 10         | 5 19        | 2 18          | 3 27           | 2                          | S.           | 7 13        | 5 15          | 2 23           | 6 50                        |
| 7 9          | 5 20        | 3 11          | 4 24           | 3                          | M.           | 7 12        | 5 16          | 3 15           | 7 43                        |
| 7 7          | 5 21        | 3 59          | 5 15           | 4                          | T.           | 7 11        | 5 18          | 4 4            | 8 34                        |
| 7 6          | 5 22        | 4 40          | 6 2            | 5                          | W.           | 7 10        | 5 19          | 4 50           | 9 20                        |
| 7 5          | 5 23        | 5 27          | 6 46           | 6                          | Th.          | 7 9         | 5 21          | 5 31           | 10 4                        |
| 7 4          | 5 25        | 6 6           | 7 28           | 7                          | F.           | 7 8         | 5 22          | 6 9            | 10 48                       |
| 7 3          | 5 26        | sets          | 8 9            | 8                          | S.           | 7 6         | 5 23          | sets           | 11 32                       |
| 7 2          | 5 27        | 7 2           | 8 50           | 9                          | S.           | 7 5         | 5 24          | 7 1            | morn                        |
| 7 1          | 5 28        | 8 7           | 9 31           | 10                         | M.           | 7 4         | 5 25          | 8 7            | 15                          |
| 7 0          | 5 30        | 9 14          | 10 16          | 11                         | T.           | 7 2         | 5 26          | 9 15           | 58                          |
| 6 58         | 5 31        | 10 18         | 11 5           | 12                         | W.           | 7 1         | 5 28          | 10 20          | 1 43                        |
| 6 57         | 5 32        | 11 27         | 11 59          | 13                         | Th.          | 7 0         | 5 29          | 11 30          | 2 30                        |
| 6 56         | 5 34        | morn          | morn           | 14                         | F.           | 6 59        | 5 30          | morn           | 3 21                        |
| 6 55         | 5 35        | 33            | 1 1            | 15                         | S.           | 6 57        | 5 32          | 37             | 4 17                        |
| 6 53         | 5 36        | 1 40          | 2 8            | 16                         | S.           | 6 56        | 5 33          | 1 44           | 5 16                        |
| 6 52         | 5 37        | 2 41          | 3 16           | 17                         | M.           | 6 54        | 5 35          | 2 45           | 6 18                        |
| 6 51         | 5 39        | 3 38          | 4 21           | 18                         | T.           | 6 53        | 5 36          | 3 42           | 7 20                        |
| 6 49         | 5 40        | 4 28          | 5 21           | 19                         | W.           | 6 52        | 5 38          | 4 31           | 8 23                        |
| 6 48         | 5 41        | 5 13          | 6 16           | 20                         | Th.          | 6 50        | 5 39          | 5 16           | 9 21                        |
| 6 46         | 5 43        | 5 51          | 7 8            | 21                         | F.           | 6 48        | 5 40          | 5 54           | 10 16                       |
| 6 45         | 5 44        | rises         | 7 55           | 22                         | S.           | 6 47        | 5 42          | rises          | 11 7                        |
| 6 44         | 5 45        | 7 15          | 8 40           | 23                         | S.           | 6 45        | 5 43          | 7 15           | 11 54                       |
| 6 42         | 5 46        | 8 16          | 9 23           | 24                         | M.           | 6 44        | 5 45          | 8 17           | ev. 40                      |
| 6 41         | 5 48        | 9 16          | 10 4           | 25                         | T.           | 6 42        | 5 46          | 9 18           | 1 25                        |
| 6 39         | 5 49        | 10 14         | 10 43          | 26                         | W.           | 6 41        | 5 47          | 10 17          | 2 8                         |
| 6 38         | 5 50        | 11 12         | 11 20          | 27                         | Th.          | 6 39        | 5 49          | 11 15          | 2 53                        |
| 6 37         | 5 51        | morn          | 11 58          | 28                         | F.           | 6 38        | 5 50          | morn           | 3                           |

# MARCH, 1902

| MOON'S PHASES.       | East. Time. | Cent. Time. | West. Time. |
|----------------------|-------------|-------------|-------------|
| Last Quarter. 2 D.   | 5 h. 39 m.  | 4 h. 39 m.  | 3 h. 39 m.  |
| New Moon... 9 D.     | 9 h. 50 m.  | 8 h. 50 m.  | 7 h. 50 m.  |
| First Quarter. 16 D. | 5 h. 13 m.  | 4 h. 13 m.  | 3 h. 13 m.  |
| Full Moon... 23 D.   | 10 h. 21 m. | 9 h. 21 m.  | 8 h. 21 m.  |
| Last Quarter. 31 D.  |             |             | 11 h. 24 m. |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |          |            | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. Is. | D.   | O.   | E.   | M.    | W.     | K. | MEAN TIME. | STAN.<br>TIME. | H. W.<br>Boston.<br>N. Yard | D.     | O. | E.   | M.   | W.    | K.    |    |
|------------|----------|------------|----------------|----------------------------|------|------|------|-------|--------|----|------------|----------------|-----------------------------|--------|----|------|------|-------|-------|----|
| Sun rises  | Sun sets | Moon rises |                |                            |      |      |      |       |        |    | Sun rises  | Sun sets       | Moon rises                  |        |    |      |      |       |       |    |
| 6 35       | 5 53     | 7          | 38             | 1                          | S.   | 6 36 | 5 51 | 11    | 4 26   |    | 6 35       | 5 52           | 1 4                         | 5 17   |    | 6 24 | 6 26 | 1 14  | 1 36  | 1  |
| 6 34       | 5 53     | 1 0        | 1 28           | 2                          | S.   | 6 35 | 5 52 | 1     | 5 17   |    | 6 33       | 5 53           | 1 55                        | 6 9    |    | 5 42 | 6 27 | 2 46  | 2 56  | 2  |
| 6 32       | 5 54     | 1 51       | 2 32           | 3                          | M.   | 6 33 | 5 53 | 1     | 5 17   |    | 6 31       | 5 54           | 2 41                        | 7 2    |    | 5 41 | 6 27 | 2 33  | 3 52  | 3  |
| 6 30       | 5 55     | 2 37       | 3 37           | 4                          | T.   | 6 30 | 5 55 | 3 24  | 7 51   |    | 6 28       | 5 56           | 4 4                         | 8 42   |    | 5 39 | 6 28 | 3 8   | 4 50  | 4  |
| 6 29       | 5 56     | 3 20       | 4 37           | 5                          | W.   | 6 30 | 5 55 | 3 24  | 7 51   |    | 6 26       | 5 57           | 4 40                        | 9 33   |    | 5 37 | 6 29 | 3 42  | 5 40  | 5  |
| 6 27       | 5 57     | 4 0        | 5 28           | 6                          | Th.  | 6 28 | 5 56 | 4 4   | 8 42   |    | 6 25       | 5 58           | 5 15                        | 10 19  |    | 5 36 | 6 30 | 4 18  | 6 26  | 6  |
| 6 25       | 5 58     | 4 38       | 6 15           | 7                          | F.   | 6 26 | 5 57 | 4 40  | 9 33   |    | 6 23       | 5 59           | 5 47                        | 11 4   |    | 5 34 | 6 31 | 4 57  | 7 12  | 7  |
| 6 24       | 5 59     | 5 13       | 7 00           | 8                          | S.   | 6 25 | 5 58 | 5 15  | 10 19  |    | 6 21       | 6 0            | sets                        | 11 49  |    | 5 33 | 6 32 | sets  | 7 59  | 8  |
| 6 22       | 6 0      | 5 46       | 7 43           | 9                          | S.   | 6 23 | 5 59 | 5 47  | 11 4   |    | 6 20       | 6 1            | sets                        | 11 49  |    | 5 31 | 6 33 | 8 7   | 8 46  | 9  |
| 6 20       | 6 1      | sets       | 8 27           | 10                         | M.   | 6 21 | 6 0  | sets  | 11 49  |    | 6 18       | 6 2            | 8 8                         | morn   |    | 5 30 | 6 34 | 9 18  | 9 35  | 10 |
| 6 19       | 6 2      | 8 7        | 9 11           | 11                         | T.   | 6 20 | 6 2  | 8 8   | morn   |    | 6 16       | 6 3            | 9 19                        | 35     |    | 5 28 | 6 35 | 10 24 | 10 27 | 11 |
| 6 17       | 6 3      | 9 16       | 9 58           | 12                         | W.   | 6 18 | 6 3  | 9 19  | 35     |    | 6 14       | 6 4            | 10 28                       | 1 20   |    | 5 26 | 6 36 | 11 27 | 11 22 | 12 |
| 6 16       | 6 4      | 10 24      | 10 48          | 13                         | Th.  | 6 16 | 6 4  | 10 28 | 1 20   |    | 6 12       | 6 5            | 11 36                       | 2 10   |    | 5 25 | 6 37 | morn  | morn  | 13 |
| 6 14       | 6 5      | 11 32      | 11 43          | 14                         | F.   | 6 14 | 6 5  | 11 36 | 2 10   |    | 6 10       | 6 6            | morn                        | 3 1    |    | 5 24 | 6 38 | 22    | 25    | 14 |
| 6 12       | 6 6      | morn       | morn           | 15                         | S.   | 6 13 | 6 6  | morn  | 3 1    |    | 6 8        | 6 7            | 41                          | 3 58   |    | 5 22 | 6 39 | 1 9   | 1 32  | 15 |
| 6 11       | 6 8      | 36         | 45             | 16                         | S.   | 6 11 | 6 7  | 41    | 3 58   |    | 6 6        | 6 9            | 1 39                        | 4 56   |    | 5 20 | 6 40 | 2 51  | 2 40  | 16 |
| 6 9        | 6 9      | 1 34       | 1 51           | 17                         | M.   | 6 9  | 6 9  | 1 39  | 4 56   |    | 6 4        | 6 10           | 2 30                        | 6 0    |    | 5 19 | 6 41 | 2 27  | 3 45  | 17 |
| 6 7        | 6 10     | 2 26       | 3 0            | 18                         | T.   | 6 7  | 6 10 | 2 30  | 6 0    |    | 6 2        | 6 11           | 3 15                        | 7 5    |    | 5 17 | 6 42 | 3 1   | 4 45  | 18 |
| 6 6        | 6 11     | 3 11       | 4 6            | 19                         | W.   | 6 6  | 6 11 | 3 15  | 7 5    |    | 6 12       | 3 53           | 8 7                         | 6 7    |    | 5 16 | 6 43 | 3 33  | 5 38  | 19 |
| 6 4        | 6 12     | 3 50       | 5 5            | 20                         | Th.  | 6 4  | 6 12 | 3 53  | 8 7    |    | 6 10       | 6 12           | 4 28                        | 9 6    |    | 5 14 | 6 44 | 4 3   | 6 26  | 20 |
| 6 2        | 6 13     | 4 26       | 6 0            | 21                         | F.   | 6 2  | 6 13 | 4 28  | 9 6    |    | 6 8        | 6 14           | 5 0                         | 10 0   |    | 5 13 | 6 45 | 4 35  | 7 10  | 21 |
| 6 1        | 6 14     | 4 59       | 6 49           | 22                         | S.   | 6 0  | 6 14 | 5 0   | 10 0   |    | 6 6        | 6 15           | rises                       | 10 50  |    | 5 11 | 6 46 | rises | 7 50  | 22 |
| 5 59       | 6 15     | rises      | 7 34           | 23                         | S.   | 5 59 | 6 15 | rises | 10 50  |    | 6 4        | 6 16           | 7 4                         | 11 35  |    | 5 10 | 6 47 | 7 49  | 8 27  | 23 |
| 5 58       | 6 16     | 7 3        | 8 17           | 24                         | M.   | 5 57 | 6 16 | 7 4   | 11 35  |    | 6 2        | 6 17           | 8 5                         | ev. 18 |    | 5 8  | 6 48 | 8 43  | 9 4   | 24 |
| 5 56       | 6 17     | 8 2        | 8 57           | 25                         | T.   | 5 55 | 6 17 | 8 5   | ev. 18 |    | 6 1        | 6 18           | 9 3                         | 58     |    | 5 7  | 6 49 | 9 35  | 9 36  | 25 |
| 5 54       | 6 18     | 9 0        | 9 34           | 26                         | W.   | 5 53 | 6 18 | 9 3   | 58     |    | 6 19       | 10 0           | 1 40                        |        |    | 5 6  | 6 50 | 10 24 | 10 4  | 26 |
| 5 52       | 6 19     | 9 57       | 10 10          | 27                         | Th.  | 5 52 | 6 19 | 10 0  | 1 40   |    | 6 17       | 10 54          | 2 21                        |        |    | 5 4  | 6 51 | 11 11 | 10 37 | 27 |
| 5 51       | 6 20     | 10 50      | 10 42          | 28                         | F.   | 5 50 | 6 20 | 10 54 | 2 21   |    | 6 15       | 11 47          | 3 4                         |        |    | 5 3  | 6 52 | 11 52 | 11 37 | 28 |
| 5 49       | 6 21     | 11 42      | 11 15          | 29                         | S.   | 5 48 | 6 21 | 11 47 | 3 4    |    | 6 22       | morn           | 3 49                        |        |    | 5 2  | 6 53 | morn  | ev. 4 | 29 |
| 5 47       | 6 22     | morn       | 11 50          | 30                         | S.   | 5 46 | 6 22 | morn  | 3 49   |    | 6 22       | morn           | 3 49                        |        |    | 5 0  | 6 55 | 30    | 1 0   | 30 |
| 5 45       | 6 23     | 30 ev. 39  | 31             | M.                         | 5 44 | 6 23 | 35   | 4 36  |        |    |            |                |                             |        |    |      |      |       |       |    |

# \* APRIL, 1902 \*

| MOON'S PHASES.       | East. Time. | Cent. Time.  | West. Time.  |
|----------------------|-------------|--------------|--------------|
| Last Quarter. 1 D.   | 1 h. 24 m.  | 0 h. 24 m.   |              |
| New Moon... 8 D.     | 8 h. 50 m.  | 7 h. 50 m.   | 6 h. 50 m.   |
| First Quarter. 15 D. | o h. 25 m.  | 11 h. 25(14) | 10 h. 25(14) |
| Full Moon... 22 D.   | 1 h. 49 m.  | 0 h. 49 m.   | 11 h. 49 m.  |
| Last Quarter. 30 D.  | 5 h. 58 m.  | 4 h. 58 m.   | 3 h. 58 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |  |  | STAN.<br>TIME. | H. W.<br>Boston.<br>N. Yard | D. | O. | E. | M. | W. | K. | MEAN TIME. | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. Is. | D. | O. | E. | M. | W. |
|------------|--|--|----------------|-----------------------------|----|----|----|----|----|----|------------|----------------|----------------------------|----|----|----|----|----|
|------------|--|--|----------------|-----------------------------|----|----|----|----|----|----|------------|----------------|----------------------------|----|----|----|----|----|

# MAY, 1902

| MOON'S PHASES.       | East. Time. | Cent. Time. | West. Time. |
|----------------------|-------------|-------------|-------------|
| New Moon... 7 D.     | 5 h. 45 m.  | 4 h. 45 m.  | 3 h. 45 m.  |
| First Quarter. 14 D. | 8 h. 39 m.  | 7 h. 39 m.  | 6 h. 39 m.  |
| Full Moon... 22 D.   | 5 h. 46 m.  | 4 h. 46 m.  | 3 h. 46 m.  |
| Last Quarter. 30 D.  | 7 h. 0 m.   | 6 h. 0 m.   | 5 h. 0 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |      |       | STAN. TIME.                |     |      | D. O. E. MO. |                             |       | W. K. |      |                            | MEAN TIME. |     |      | STAN. TIME.                 |       |        | D. O. E. MO. |                             |       | W. K.  |      |                             |       |       |      |      |
|------------|------|-------|----------------------------|-----|------|--------------|-----------------------------|-------|-------|------|----------------------------|------------|-----|------|-----------------------------|-------|--------|--------------|-----------------------------|-------|--------|------|-----------------------------|-------|-------|------|------|
| Sun        | Sun  | Moon  | H. W.<br>N. Y.<br>Gov. Is. | Sun | Sun  | Moon         | H. W.<br>Boston.<br>N. Yard | Sun   | Sun   | Moon | H. W.<br>N. Y.<br>Gov. Is. | Sun        | Sun | Moon | H. W.<br>Boston.<br>N. Yard | Sun   | Sun    | Moon         | H. W.<br>Boston.<br>N. Yard | Sun   | Sun    | Moon | H. W.<br>Boston.<br>N. Yard |       |       |      |      |
| 4 59       | 6 56 | 1 4   | 2 4                        | 1   | 4 56 | 7 0          | 1 6                         | 5 45  | 4 31  | 7 24 | 1 14                       | 3 38       | 1   | 4 25 | 7 30                        | 1 14  | 6 59   | 4 25         | 7 30                        | 1 14  | 6 59   | 4 25 | 7 30                        | 1 14  | 6 59  |      |      |
| 4 58       | 6 57 | 1 37  | 3 0                        | 2   | 4 54 | 7 1          | 1 39                        | 6 39  | 4 30  | 7 25 | 1 50                       | 4 39       | 2   | 4 25 | 7 30                        | 1 49  | 7 54   | 4 25         | 7 31                        | 2 27  | 8 48   | 4 25 | 7 31                        | 2 27  | 8 48  |      |      |
| 4 56       | 6 58 | 2 11  | 4 12                       | 3   | 4 53 | 7 2          | 2 12                        | 7 32  | 4 30  | 7 26 | 2 30                       | 5 36       | 3   | 4 25 | 7 32                        | 3 10  | 9 42   | 4 24         | 7 32                        | 4 1   | 10 35  | 4 24 | 7 32                        | 4 1   | 10 35 |      |      |
| 4 55       | 6 59 | 2 44  | 5 8                        | 4   | 4 52 | 7 3          | 2 44                        | 8 25  | 4 29  | 7 27 | 4 5                        | 7 21       | 4   | 4 24 | 7 32                        | 5 10  | morn   | 4 24         | 7 33                        | sets  | 11 28  | 4 24 | 7 33                        | sets  | 11 28 |      |      |
| 4 54       | 7 0  | 3 19  | 5 58                       | 5   | 4 51 | 7 4          | 3 17                        | 9 17  | 4 29  | 7 28 | sets                       | 8 15       | 5   | 4 23 | 7 33                        | 8 57  | morn   | 4 23         | 7 34                        | 9 46  | 20     | 4 23 | 7 34                        | 9 46  | 20    |      |      |
| 4 53       | 7 1  | 3 57  | 6 48                       | 6   | 4 49 | 7 5          | 3 55                        | 10 8  | 4 29  | 7 29 | 9 43                       | 9 59       | 6   | 4 23 | 7 35                        | 10 30 | 1 14   | 4 23         | 7 36                        | 11 6  | 2      | 4 23 | 7 36                        | 11 39 | 3 2   |      |      |
| 4 52       | 7 2  | 4 40  | 7 38                       | 7   | 4 48 | 7 6          | 4 37                        | 10 58 | 4 28  | 7 30 | 10 27                      | 10 52      | 9   | 4 23 | 7 35                        | 10 39 | 1 14   | 4 23         | 7 36                        | 11 39 | 3 2    | 4 22 | 7 37                        | morn  | 3 59  |      |      |
| 4 51       | 7 3  | sets  | 8 28                       | 8   | 4 47 | 7 7          | sets                        | 11 48 | 4 28  | 7 31 | morn                       | 4 44       | 10  | 4 22 | 7 37                        | 10    | 4 22   | 7 38         | 40                          | 4 22  | 7 39   | 2 13 | 8 47                        | 4 22  | 7 39  | 2 13 | 8 47 |
| 4 49       | 7 4  | 9 12  | 9 20                       | 9   | 4 46 | 7 8          | 9 17                        | morn  | 4 28  | 7 32 | 10                         | 1 44       | 13  | 4 22 | 7 38                        | 1 40  | 5 57   | 4 22         | 7 39                        | 2 50  | 9 36   | 4 22 | 7 39                        | 2 50  | 9 36  |      |      |
| 4 48       | 7 5  | 10 11 | 10 13                      | 10  | 4 44 | 7 9          | 10 16                       | 39    | 4 28  | 7 33 | 1 44                       | 15         | 15  | 4 22 | 7 38                        | 1 49  | 6 56   | 4 22         | 7 39                        | 2 51  | 10 19  | 4 22 | 7 39                        | 2 51  | 10 19 |      |      |
| 4 47       | 7 6  | 11 4  | 11 8                       | 11  | 4 43 | 7 10         | 11 8                        | 1 31  | 4 28  | 7 34 | 1 44                       | 1 44       | 15  | 4 22 | 7 38                        | 1 40  | 7 53   | 4 22         | 7 39                        | 2 52  | 11 31  | 4 22 | 7 39                        | 2 52  | 11 31 |      |      |
| 4 46       | 7 7  | 11 50 | morn                       | 12  | 4 42 | 7 11         | 11 53                       | 2 25  | 4 28  | 7 35 | 2 16                       | 5 32       | 17  | 4 22 | 7 39                        | 2 13  | 8 47   | 4 22         | 7 39                        | 2 13  | 8 47   | 4 22 | 7 39                        | 2 13  | 8 47  |      |      |
| 4 45       | 7 8  | morn  | 8                          | 13  | 4 41 | 7 12         | morn                        | 3 22  | 4 28  | 7 36 | 2 54                       | 6 20       | 18  | 4 22 | 7 39                        | 2 50  | 9 36   | 4 22         | 7 39                        | 3 31  | 10 19  | 4 22 | 7 39                        | 3 31  | 10 19 |      |      |
| 4 44       | 7 9  | 29    | 1 10                       | 14  | 4 40 | 7 13         | 32                          | 4 21  | 4 28  | 7 37 | 3 35                       | 7 2        | 19  | 4 22 | 7 40                        | rises | 10 59  | 4 23         | 7 40                        | 7 53  | 11 36  | 4 23 | 7 40                        | 7 53  | 11 36 |      |      |
| 4 43       | 7 10 | 1 4   | 2 15                       | 15  | 4 39 | 7 14         | 1 6                         | 5 22  | 4 29  | 7 38 | 4 8                        | 8 15       | 21  | 4 23 | 7 40                        | 8 34  | ev. 13 | 4 23         | 7 40                        | 8 34  | ev. 13 | 4 23 | 7 40                        | 9 11  | 50    |      |      |
| 4 42       | 7 11 | 1 37  | 3 19                       | 16  | 4 38 | 7 15         | 1 37                        | 6 24  | 4 29  | 7 39 | 9 8                        | 9 14       | 23  | 4 23 | 7 40                        | 9 44  | 1 30   | 4 23         | 7 40                        | 9 44  | 1 30   | 4 23 | 7 40                        | 9 44  | 1 30  |      |      |
| 4 41       | 7 12 | 2 7   | 4 18                       | 17  | 4 37 | 7 16         | 2 6                         | 7 25  | 4 29  | 7 40 | 9 42                       | 9 47       | 24  | 4 23 | 7 41                        | 10 12 | 10 14  | 4 24         | 7 41                        | 10 14 | 2 15   | 4 24 | 7 41                        | 10 14 | 2 15  |      |      |
| 4 40       | 7 13 | 2 37  | 5 12                       | 18  | 4 36 | 7 17         | 2 36                        | 8 23  | 4 29  | 7 41 | 9 42                       | 9 47       | 24  | 4 24 | 7 41                        | 10 12 | 10 14  | 4 24         | 7 41                        | 10 14 | 3 0    | 4 24 | 7 41                        | 10 14 | 3 0   |      |      |
| 4 39       | 7 14 | 3 7   | 6 0                        | 19  | 4 35 | 7 18         | 3 5                         | 9 17  | 4 29  | 7 42 | 10 12                      | 10 26      | 25  | 4 24 | 7 41                        | 10 12 | 10 14  | 4 24         | 7 41                        | 10 14 | 3 0    | 4 24 | 7 41                        | 10 14 | 3 0   |      |      |
| 4 39       | 7 15 | 3 41  | 6 46                       | 20  | 4 34 | 7 19         | 3 38                        | 10 5  | 4 29  | 7 43 | 10 43                      | 11 10      | 26  | 4 24 | 7 41                        | 10 43 | 11 10  | 4 24         | 7 41                        | 10 44 | 3 48   | 4 24 | 7 41                        | 11 15 | 3 48  |      |      |
| 4 38       | 7 16 | 4 16  | 7 26                       | 21  | 4 33 | 7 20         | 4 13                        | 10 48 | 4 29  | 7 44 | 11 16                      | ev. 1      | 27  | 4 24 | 7 41                        | 11 16 | ev. 1  | 4 24         | 7 41                        | 11 15 | 3 48   | 4 24 | 7 41                        | 11 15 | 3 48  |      |      |
| 4 37       | 7 17 | rises | 8 4                        | 22  | 4 32 | 7 21         | rises                       | 11 27 | 4 29  | 7 45 | 11 50                      | 59         | 28  | 4 25 | 7 40                        | 11 48 | 4 39   | 4 25         | 7 40                        | 11 48 | 4 39   | 4 25 | 7 40                        | 11 48 | 4 39  |      |      |
| 4 36       | 7 18 | 8 20  | 8 39                       | 23  | 4 31 | 7 22         | 8 25                        | ev. 5 | 4 29  | 7 46 | morn                       | 2 2        | 29  | 4 25 | 7 40                        | morn  | 5 33   | 4 26         | 7 40                        | 23    | 4 26   | 7 40 | morn                        | 5 33  |       |      |      |
| 4 36       | 7 19 | 9 7   | 9 8                        | 24  | 4 31 | 7 23         | 9 11                        | 4 2   | 4 29  | 7 47 | 9 42                       | 9 47       | 24  | 4 24 | 7 48                        | 9 44  | 1 30   | 4 24         | 7 48                        | 9 44  | 1 30   | 4 24 | 7 48                        | 9 44  | 1 30  |      |      |
| 4 35       | 7 20 | 9 51  | 9 37                       | 25  | 4 30 | 7 24         | 9 55                        | 1 20  | 4 29  | 7 48 | 10 12                      | 10 26      | 25  | 4 24 | 7 49                        | 10 12 | 10 14  | 4 24         | 7 49                        | 10 14 | 2 15   | 4 24 | 7 49                        | 10 14 | 2 15  |      |      |
| 4 34       | 7 20 | 10 29 | 10 11                      | 26  | 4 29 | 7 25         | 10 32                       | 1 58  | 4 29  | 7 49 | 10 43                      | 11 10      | 26  | 4 24 | 7 50                        | 10 43 | 11 10  | 4 24         | 7 50                        | 10 44 | 3 0    | 4 24 | 7 50                        | 10 44 | 3 0   |      |      |
| 4 34       | 7 21 | 11 5  | 10 50                      | 27  | 4 29 | 7 26         | 11 8                        | 2 43  | 4 29  |      |                            |            |     |      |                             |       |        |              |                             |       |        |      |                             |       |       |      |      |

# JULY, 1902

| MOON'S PHASES.       | East. Time. | Cent. Time.  | West. Time.  |
|----------------------|-------------|--------------|--------------|
| New Moon... 5 D.     | 7 h. 59 m.  | 6 h. 59 m.   | 5 h. 59 m.   |
| First Quarter. 12 D. | 7 h. 46 m.  | 6 h. 46 m.   | 5 h. 46 m.   |
| Full Moon... 20 D.   | 11 h. 45 m. | 10 h. 45 m.  | 9 h. 45 m.   |
| Last Quarter. 28 D.  | 0 h. 14 m.  | 11 h. 14(27) | 10 h. 14(27) |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |          |            | STAN. TIME. | D. OF MO. | W.  | D. OF W. | MEAN TIME. |          |            | STAN. TIME. | H. W. Boston, N. Y. Gov. Is. |
|------------|----------|------------|-------------|-----------|-----|----------|------------|----------|------------|-------------|------------------------------|
| Sun rises  | Sun sets | Moon rises | 4 20        | 1         | T.  |          | Sun rises  | Sun sets | Moon rises | 7 18        |                              |
| 4 32       | 7 35     | 1 5        | 4 20        | 2         | W.  |          | 4 26       | 7 40     | 1 2        | 7 18        |                              |
| 4 32       | 7 35     | 1 51       | 5 20        | 3         | Th. |          | 4 26       | 7 40     | 1 47       | 8 25        |                              |
| 4 33       | 7 34     | 2 45       | 6 16        | 4         | F.  |          | 4 27       | 7 40     | 2 41       | 9 22        |                              |
| 4 33       | 7 34     | 3 47       | 7 11        | 5         | S.  |          | 4 28       | 7 40     | 3 42       | 10 17       |                              |
| 4 34       | 7 34     | sets       | 8 2         | 6         | S.  |          | 4 29       | 7 39     | sets       | 11 11       |                              |
| 4 35       | 7 34     | 8 18       | 8 54        | 7         | M.  |          | 4 29       | 7 39     | 8 21       | morn        |                              |
| 4 35       | 7 33     | 8 59       | 9 45        | 8         | T.  |          | 4 30       | 7 39     | 9 1        | 3           |                              |
| 4 36       | 7 33     | 9 36       | 10 35       | 9         | W.  |          | 4 30       | 7 38     | 9 37       | 56          |                              |
| 4 37       | 7 33     | 10 10      | 11 25       | 10        | Th. |          | 4 31       | 7 38     | 10 10      | 1 48        |                              |
| 4 37       | 7 32     | 10 42      | morn        | 11        | F.  |          | 4 32       | 7 38     | 10 41      | 2 40        |                              |
| 4 38       | 7 32     | 11 13      | 17          | 12        | S.  |          | 4 33       | 7 37     | 11 12      | 3 34        |                              |
| 4 39       | 7 31     | 11 44      | 1 11        | 13        | S.  |          | 4 33       | 7 37     | 11 42      | 4 28        |                              |
| 4 39       | 7 31     | morn       | 2 7         | 14        | M.  |          | 4 34       | 7 36     | morn       | 5 25        |                              |
| 4 40       | 7 30     | 19         | 3 4         | 15        | T.  |          | 4 35       | 7 36     | 16         | 6 21        |                              |
| 4 41       | 7 30     | 54         | 4 2         | 16        | W.  |          | 4 36       | 7 35     | 51         | 7 17        |                              |
| 4 42       | 7 29     | 1 34       | 4 57        | 17        | Th. |          | 4 37       | 7 34     | 1 30       | 8 11        |                              |
| 4 43       | 7 29     | 2 18       | 5 45        | 18        | F.  |          | 4 37       | 7 34     | 2 13       | 9 0         |                              |
| 4 44       | 7 28     | 3 5        | 6 29        | 19        | S.  |          | 4 38       | 7 33     | 3 0        | 9 45        |                              |
| 4 44       | 7 27     | 3 57       | 7 8         | 20        | S.  |          | 4 39       | 7 32     | 3 53       | 10 26       |                              |
| 4 45       | 7 26     | rises      | 7 45        | 21        | S.  |          | 4 40       | 7 31     | rises      | 11 5        |                              |
| 4 46       | 7 26     | 7 43       | 8 21        | 21        | M.  |          | 4 41       | 7 30     | 7 46       | 11 43       |                              |
| 4 47       | 7 25     | 8 17       | 8 55        | 22        | T.  |          | 4 42       | 7 30     | 8 19       | ev. 22      |                              |
| 4 48       | 7 24     | 8 48       | 9 31        | 23        | W.  |          | 4 43       | 7 29     | 8 49       | 1 5         |                              |
| 4 48       | 7 23     | 9 20       | 10 11       | 24        | Th. |          | 4 44       | 7 28     | 9 20       | 1 47        |                              |
| 4 49       | 7 23     | 9 52       | 10 56       | 25        | F.  |          | 4 45       | 7 27     | 9 51       | 2 32        |                              |
| 4 50       | 7 22     | 10 26      | 11 46       | 26        | S.  |          | 4 46       | 7 26     | 10 25      | 3 19        |                              |
| 4 51       | 7 21     | 11 4       | ev. 42      | 27        | S.  |          | 4 47       | 7 25     | 11 1       | 4 10        |                              |
| 4 52       | 7 20     | 11 45      | 1 46        | 28        | M.  |          | 4 48       | 7 24     | 11 42      | 5 6         |                              |
| 4 53       | 7 19     | morn       | 2 54        | 29        | T.  |          | 4 49       | 7 23     | morn       | 6 5         |                              |
| 4 54       | 7 18     | 34         | 4 0         | 30        | W.  |          | 4 50       | 7 22     | 30         | 7 5         |                              |
| 4 55       | 7 17     | 1 30       | 5 4         | 31        | Th. |          | 4 51       | 7 21     | 1 26       | 8 5         |                              |

# AUGUST, 1902

| MOON'S PHASES.       | East. Time. | Cent. Time. | West. Time. |
|----------------------|-------------|-------------|-------------|
| New Moon... 3 D.     | 3 h. 17 m.  | 2 h. 17 m.  | 1 h. 17 m.  |
| First Quarter. 10 D. | 11 h. 24 m. | 10 h. 24 m. | 9 h. 24 m.  |
| Full Moon... 19 D.   | 1 h. 3 m.   | 0 h. 3 m.   | 11 h. 3(18) |
| Last Quarter. 26 D.  | 6 h. 4 m.   | 5 h. 4 m.   | 4 h. 4 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |          |            | STAN. TIME | D. OF MO. | W.  | D. OF W. | MEAN TIME. |       |       | STAN. TIME | H. W. Boston, N. Y. Gov. Is. |
|------------|----------|------------|------------|-----------|-----|----------|------------|-------|-------|------------|------------------------------|
| Sun rises  | Sun sets | Moon rises | 7 16       | 2         | 32  | 6 2      | 1          | F.    | 7 20  | 2 28       | 9 5                          |
| 4 56       | 7 16     | 2 32       | 6 2        | 2         | S.  | 4 57     | 7 14       | 3 39  | 6 56  | 4 58       | 7 18 3 35                    |
| 4 57       | 7 14     | 3 39       | 6 56       | 3         | S.  | 4 58     | 7 13       | 4 48  | 7 49  | 4 59       | 7 17 4 45                    |
| 4 58       | 7 13     | 4 48       | 7 49       | 4         | M.  | 4 59     | 7 12       | sets  | 8 37  | 4 60       | 7 16 11 47                   |
| 4 59       | 7 12     | sets       | 8 37       | 5         | T.  | 5 0      | 7 11       | 8 6   | 9 25  | 5 1        | 7 15 8 7 morn                |
| 5 0        | 7 11     | 8 6        | 9 25       | 6         | W.  | 5 1      | 7 10       | 8 40  | 10 11 | 5 2        | 7 14 8 40 37                 |
| 5 1        | 7 9      | 9 12       | 10 57      | 7         | Th. | 5 2      | 7 7        | 9 12  | 10 57 | 5 3        | 7 12 9 11 1 26               |
| 5 2        | 7 7      | 9 13       | 11 43      | 8         | F.  | 5 3      | 7 6        | 10 54 | 11 43 | 5 4        | 7 11 9 41 2 15               |
| 5 3        | 7 6      | 10 54      | 11 43      | 9         | S.  | 5 4      | 7 5        | 10 54 | 12 31 | 5 5        | 7 10 10 15 3 56              |
| 5 4        | 7 5      | 10 54      | 12 31      | 10        | M.  | 5 5      | 7 4        | 11 29 | 1 22  | 5 6        | 7 8 11 29 4 49               |
| 5 5        | 7 4      | 11 33      | 1 22       | 11        | T.  | 5 6      | 7 2        | 11 29 | 2 18  | 5 7        | 7 6 morn 5 42                |
| 5 6        | 7 2      | morn       | 2 18       | 12        | W.  | 5 7      | 7 1        | 11 29 | 3 20  | 5 8        | 7 4 10 6 39                  |
| 5 7        | 7 1      | 11 29      | 3 20       | 13        | Th. | 5 8      | 7 0        | 11 29 | 4 17  | 5 9        | 7 3 57 7 31                  |
| 5 8        | 7 0      | 1 1        | 4 17       | 14        | F.  | 5 9      | 6 58       | 1 51  | 5 9   | 5 10       | 7 1 1 46 8 21                |
| 5 9        | 6 58     | 1 51       | 5 9        | 15        | S.  | 5 10     | 6 57       | 2 45  | 5 55  | 5 11       | 7 0 2 41 9 8                 |
| 5 10       | 6 57     | 2 45       | 5 55       | 16        | S.  | 5 11     | 6 55       | 3 42  | 6 36  | 5 12       | 7 8 6 58 3 38 9 51           |
| 5 11       | 6 55     | 3 42       | 6 36       | 17        | M.  | 5 12     | 6 54       | 4 40  | 7 15  | 5 13       | 7 6 57 4 38 10 32            |
| 5 12       | 6 54     | 4 40       | 7 15       | 18        | T.  | 5 13     | 6 53       | rises | 7 53  | 5 14       | 7 5 11 6 55 rises 11 15      |
| 5 13       | 6 53     | rises      | 7 53       | 19        | W.  | 5 14     | 6 51       | 7 23  | 8 30  | 5 15       | 7 23 11 56                   |
| 5 14       | 6 51     | 7 23       | 8 30       | 20        | Th. | 5 15     | 6 50       | 7 56  | 9 9   | 5 16       | 6 52 7 55 ev. 37             |
| 5 15       | 6 50     | 7 56       | 9 9        | 21        | F.  | 5 16     | 6 48       | 8 29  | 9 50  | 5 17       | 6 51 8 28 1 20               |
| 5 16       | 6 48     | 8 29       | 9 50       | 22        | S.  | 5 17     | 6 47       | 9 5   | 10 35 | 5 18       | 6 49 9 3 2 53                |
| 5 17       | 6 47     | 9 5        | 10 35      | 23        | M.  | 5 18     | 6 45       | 9 4   |       |            |                              |

# SEPTEMBER, 1902

| MOON'S PHASES.      | East. Time. | Cent. Time.  | West. Time.  |
|---------------------|-------------|--------------|--------------|
| New Moon... 2 D.    | 0 h. 19 m.  | 11 h. 19 (1) | 10 h. 19 (1) |
| First Quarter. 9 D. | 5 h. 15 m.  | 4 h. 15 m.   | 3 h. 15 m.   |
| Full Moon... 17 D.  | 1 h. 23 m.  | 0 h. 23 m.   | 11 h. 23 m.  |
| Last Quarter. 24 D. | 11 h. 31 m. | 10 h. 31 m.  | 9 h. 31 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |          |            | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. In. | D. OF MO. | D. OF WK. | MEAN TIME. |          |            | STAN.<br>TIME. | H. W.<br>Boston.<br>N. Yard | D. OF MO. | D. OF WK. |  |
|------------|----------|------------|----------------|----------------------------|-----------|-----------|------------|----------|------------|----------------|-----------------------------|-----------|-----------|--|
| Sun rises  | Sun sets | Moon rises | 7 30           | 1                          | M.        |           | Sun rises  | Sun sets | Moon rises | 7 39           | 10 39                       |           |           |  |
| 5 26       | 6 33     | 4 47       |                | 5 24                       | 6 35      | 4 45      | 5 26       | 6 33     | sets       | 11 29          |                             |           |           |  |
| 5 27       | 6 31     | sets       | 8 18           | 5 27                       | 6 31      | 7 4       | 5 27       | 6 31     | morn       |                |                             |           |           |  |
| 5 28       | 6 29     | 7 5        | 9 2            | 5 28                       | 6 29      | 7 43      | 5 28       | 6 28     |            | 17             |                             |           |           |  |
| 5 29       | 6 28     | 7 44       | 9 46           | 5 29                       | 6 28      | 8 14      | 5 29       | 6 28     |            | 1 3            |                             |           |           |  |
| 5 30       | 6 26     | 8 16       | 10 28          | 5 29                       | 6 26      | 8 50      | 5 30       | 6 26     |            | 1 49           |                             |           |           |  |
| 5 31       | 6 25     | 8 53       | 11 10          | 5 31                       | 6 24      | 9 26      | 5 32       | 6 22     |            | 2 35           |                             |           |           |  |
| 5 32       | 6 23     | 9 29       | 11 52          | 5 31                       | 6 21      | 10 6      | 5 33       | 6 21     |            | 3 23           |                             |           |           |  |
| 5 33       | 6 21     | 10 10      | morn           | 5 32                       | 6 20      | 10 50     | 5 33       | 6 21     |            | 4 10           |                             |           |           |  |
| 5 34       | 6 20     | 10 54      | 37             | 5 33                       | 6 19      | 11 38     | 5 34       | 6 19     |            | 5 1            |                             |           |           |  |
| 5 35       | 6 18     | 11 42      | 1 28           | 5 35                       | 6 17      | morn      | 5 35       | 6 17     |            | 5 54           |                             |           |           |  |
| 5 36       | 6 16     | morn       | 2 29           | 5 36                       | 6 15      | 31        | 5 36       | 6 15     |            | 6 48           |                             |           |           |  |
| 5 37       | 6 15     | 35         | 3 31           | 5 37                       | 6 14      | 1 26      | 5 38       | 6 14     |            | 7 39           |                             |           |           |  |
| 5 38       | 6 13     | 1 29       | 4 23           | 5 37                       | 6 12      | 2 24      | 5 39       | 6 10     |            | 8 28           |                             |           |           |  |
| 5 39       | 6 11     | 2 27       | 5 16           | 5 38                       | 6 12      | 3 25      | 5 40       | 6 8      |            | 9 14           |                             |           |           |  |
| 5 40       | 6 9      | 3 27       | 6 0            | 5 39                       | 6 10      | 4 27      | 5 41       | 6 7      |            | 10 45          |                             |           |           |  |
| 5 41       | 6 8      | 4 28       | 6 42           | 5 40                       | 6 8       | 5 27      | 5 41       | 6 5      |            | 11 26          |                             |           |           |  |
| 5 42       | 6 6      | rises      | 7 24           | 5 41                       | 6 7       | rises     | 5 43       | 6 5      |            | 1 11           |                             |           |           |  |
| 5 43       | 6 4      | 6 30       | 8 5            | 5 43                       | 6 3       | 7 5       | 5 44       | 6 3      |            | ev. 11         |                             |           |           |  |
| 5 44       | 6 3      | 7 7        | 8 46           | 5 44                       | 6 1       | 7 43      | 5 45       | 6 1      |            | 55             |                             |           |           |  |
| 5 45       | 6 1      | 7 46       | 9 30           | 5 45                       | 6 0       | 8 28      | 5 46       | 6 0      |            | 1 41           |                             |           |           |  |
| 5 46       | 5 59     | 8 32       | 10 18          | 5 46                       | 5 58      | 9 16      | 5 47       | 5 58     |            | 2 31           |                             |           |           |  |
| 5 47       | 5 58     | 9 20       | 11 9           | 5 47                       | 5 56      | 10 12     | 5 48       | 5 56     |            | 3 26           |                             |           |           |  |
| 5 48       | 5 56     | 10 16      | ev. 6          | 5 48                       | 5 54      | 11 12     | 5 49       | 5 54     |            | 4 25           |                             |           |           |  |
| 5 49       | 5 55     | 11 16      | 1 10           | 5 49                       | 5 54      | 11 12     | 5 50       | 5 53     |            | 4 25           |                             |           |           |  |
| 5 50       | 5 53     | morn       | 2 20           | 5 50                       | 5 53      | morn      | 5 51       | 5 51     |            | 5 28           |                             |           |           |  |
| 5 51       | 5 52     | 21         | 3 30           | 5 51                       | 5 51      | 17        | 5 52       | 5 49     |            | 6 31           |                             |           |           |  |
| 5 52       | 5 50     | 1 26       | 4 33           | 5 52                       | 5 49      | 1 23      | 5 53       | 5 47     |            | 7 35           |                             |           |           |  |
| 5 53       | 5 48     | 2 33       | 5 31           | 5 53                       | 5 47      | 2 31      | 5 54       | 5 46     |            | 8 35           |                             |           |           |  |
| 5 54       | 5 46     | 3 39       | 6 23           | 5 54                       | 5 46      | 3 37      | 5 55       | 5 44     |            | 9 31           |                             |           |           |  |
| 5 54       | 5 44     | 4 43       | 7 11           | 5 56                       | 5 44      | 4 43      | 5 56       | 5 44     |            | 10 23          |                             |           |           |  |

# OCTOBER, 1902

| MOON'S PHASES.      | East. Time. | Cent. Time. | West. Time.  |
|---------------------|-------------|-------------|--------------|
| New Moon... 1 D.    | 0 h. 9 m.   | 11 h. 9 m.  | 10 h. 9 m.   |
| First Quarter. 9 D. | 0 h. 21 m.  | 11 h. 21 m. | 10 h. 21 m.  |
| Full Moon... 17 D.  | 1 h. 1 m.   | 0 h. 1 m.   | 11 h. 1 (16) |
| Last Quarter. 23 D. | 5 h. 58 m.  | 4 h. 58 m.  | 3 h. 58 m.   |
| New Moon... 31 D.   | 3 h. 13 m.  | 2 h. 13 m.  | 1 h. 13 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |          |            | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. In. | D. OF MO. | D. OF WK. | MEAN TIME. |          |            | STAN.<br>TIME. | H. W.<br>Boston.<br>N. Yard | D. OF MO. | D. OF WK. |  |
|------------|----------|------------|----------------|----------------------------|-----------|-----------|------------|----------|------------|----------------|-----------------------------|-----------|-----------|--|
| Sun rises  | Sun sets | Moon rises | 7 30           | 1                          | M.        |           | Sun rises  | Sun sets | Moon rises | 7 39           | 10 39                       |           |           |  |
| 5 56       | 5 57     | 5 43       | 5 45           | 5 56                       | 5 43      | 5 41      | 5 58       | 5 41     | sets       | 8 39           | 9 20                        | 3         | W.        |  |
| 5 27       | 5 28     | 5 26       | 5 29           | 5 27                       | 5 26      | 5 24      | 5 59       | 5 38     | 6 48       | 9 59           | 9 59                        | 4         | F.        |  |
| 5 28       | 5 29     | 5 27       | 5 31           | 5 28                       | 5 29      | 5 27      | 5 60       | 5 36     | 8 5        | 10 37          | 10 37                       | 5         | S.        |  |
| 5 29       | 5 30     | 5 28       | 5 31           | 5 29                       | 5 30      | 5 28      | 5 61       | 5 35     | 8 49       | 11 14          | 11 14                       | 6         | M.        |  |
| 5 30       | 5 31     | 5 29       | 5 32           | 5 30                       | 5 31      | 5 29      | 5 62       | 5 33     | 9 35       | 11 53          | 11 53                       | 7         | T.        |  |
| 5 31       | 5 32     | 5 30       | 5 33           | 5 31                       | 5 32      | 5 30      | 5 63       | 5 31     | 10 25      | morn           | morn                        | 8         | W.        |  |
| 5 32       | 5 33     | 5 31       | 5 34           | 5 32                       | 5 33      | 5 28      | 5 64       | 5 25     | 11 18      | 39             | 39                          | 9         | Th.       |  |
| 5 33       | 5 34     | 5 32       | 5 35           | 5 33                       | 5 34      | 5 28      | 5 65       | 5 23     | morn       | 1 35           | 1 35                        | 10        | F.        |  |
| 5 34       | 5 35     | 5 33       | 5 36           | 5 34                       | 5 35      | 5 27      | 5 66       | 5 23     |            | 2 40           | 2 40                        | 11        | S.        |  |
| 5 35       | 5 36     | 5 34       | 5 37           | 5 35                       | 5 36      | 5 26      | 5 67       | 5 23     |            | 3 40           | 3 40                        | 12        | S.        |  |
| 5 36       | 5 37     | 5 35       | 5 38           | 5 36                       | 5 37      | 5 25      | 5 68       | 5 23     |            | 4 34           | 4 34                        | 13        | M.        |  |
| 5 37       | 5 38     | 5 36       | 5 39           | 5 37                       | 5 38      | 5 24      | 5 69       | 5 23     |            | 5 22           | 5 22                        | 14        | T.        |  |
| 5 38       | 5 39     | 5 37       | 5 40           | 5 38                       | 5 39      | 5 23      | 5 70       | 5 22     |            | 6 22           | 6 22                        | 15        | W.        |  |
| 5 39       | 5 40     | 5 38       | 5 41           | 5 39                       | 5 40      | 5 22      | 5 71       | 5 21     |            | 6 55           | 6 55                        | 16        | Th.       |  |
| 5 40       | 5 41     | 5 39       | 5 42           | 5 40                       | 5 41      | 5 21      | 5 72       | 5 20     |            | 6 40           | 6 40                        | 17        | F.        |  |
| 5 41       | 5 42     | 5 40       | 5 43           | 5 41                       | 5 42      | 5 20      | 5 73       | 5 19     |            | 7 40           |                             |           |           |  |

# NOVEMBER, 1902

| MOON'S PHASES.      | East. Time. | Cent. Time. | West. Time. |
|---------------------|-------------|-------------|-------------|
| First Quarter. 8 D. | 7 h. 29 m.  | 6 h. 29 m.  | 5 h. 29 m.  |
| Full Moon...15 D.   | 0 h. 5 m.   | 11 h. 5 m.  | 10 h. 5 m.  |
| Last Quarter.22 D.  | 2 h. 47 m.  | 1 h. 47 m.  | 0 h. 47 m.  |
| New Moon...29 D.    | 9 h. 4 m.   | 8 h. 4 m.   | 7 h. 4 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |      |       | STAN.<br>TIME. | D. OF MO. | D. OF WK. | MEAN TIME. |      |       | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. Is. |
|------------|------|-------|----------------|-----------|-----------|------------|------|-------|----------------|----------------------------|
| Sun        | Sun  | Moon  |                |           |           | Sun        | Sun  | Moon  |                | Boston,<br>N. Yard         |
| rises      | sets | sets  | 8 55           | 1         | S.        | 6 33       | 4 54 | 5 58  | morn           |                            |
| 6 30       | 4 57 | 6 2   | 8 55           | 2         | S.        | 6 34       | 4 53 | 6 39  | 15             |                            |
| 6 31       | 4 56 | 6 43  | 9 51           | 3         | M.        | 6 36       | 4 51 | 7 24  | 55             |                            |
| 6 32       | 4 54 | 7 28  | 10 7           | 4         | T.        | 6 37       | 4 50 | 8 13  | 1 35           |                            |
| 6 34       | 4 53 | 8 18  | 10 40          | 5         | W.        | 6 38       | 4 49 | 9 6   | 2 17           |                            |
| 6 35       | 4 52 | 9 9   | 11 16          | 6         | Th.       | 6 39       | 4 48 | 10 0  | 3 1            |                            |
| 6 36       | 4 51 | 10 3  | 11 59          | 7         | F.        | 6 41       | 4 47 | 10 58 | 3 45           |                            |
| 6 37       | 4 50 | 11 0  | morn           | 8         | S.        | 6 42       | 4 45 | 11 56 | 4 37           |                            |
| 6 38       | 4 49 | 11 58 | 53             | 9         | S.        | 6 43       | 4 44 | morn  | 5 27           |                            |
| 6 40       | 4 48 | morn  | 1 52           | 10        | M.        | 6 44       | 4 43 | 56    | 6 20           |                            |
| 6 41       | 4 47 | 57    | 2 55           | 11        | T.        | 6 46       | 4 42 | 1 58  | 7 12           |                            |
| 6 42       | 4 46 | 1 59  | 3 54           | 12        | W.        | 6 47       | 4 41 | 3 3   | 8 4            |                            |
| 6 43       | 4 45 | 3 3   | 4 47           | 13        | Th.       | 6 48       | 4 40 | 4 10  | 8 54           |                            |
| 6 44       | 4 44 | 4 9   | 5 38           | 14        | F.        | 6 49       | 4 39 | 5 18  | 9 43           |                            |
| 6 45       | 4 43 | 5 16  | 6 28           | 15        | S.        | 6 51       | 4 39 | rises | 10 33          |                            |
| 6 47       | 4 42 | rises | 7 17           | 15        | S.        | 6 52       | 4 38 | 5 52  | 11 22          |                            |
| 6 48       | 4 41 | 5 57  | 8 7            | 16        | S.        | 6 53       | 4 37 | 6 53  | ev. 12         |                            |
| 6 49       | 4 40 | 6 57  | 8 57           | 17        | M.        | 6 53       | 4 37 | 6 53  |                |                            |
| 6 50       | 4 39 | 8 2   | 9 48           | 18        | T.        | 6 54       | 4 36 | 7 58  | 1 3            |                            |
| 6 51       | 4 39 | 9 9   | 10 41          | 19        | W.        | 6 56       | 4 35 | 9 6   | 1 56           |                            |
| 6 53       | 4 38 | 10 16 | 11 38          | 20        | Th.       | 6 57       | 4 34 | 10 13 | 2 51           |                            |
| 6 54       | 4 38 | 11 22 | ev. 40         | 21        | F.        | 6 58       | 4 34 | 11 20 | 3 50           |                            |
| 6 55       | 4 37 | morn  | 1 42           | 22        | S.        | 6 59       | 4 33 | morn  | 4 50           |                            |
| 6 56       | 4 36 | 27    | 2 47           | 23        | S.        | 7 0        | 4 32 | 26    | 5 52           |                            |
| 6 57       | 4 36 | 1 29  | 3 49           | 24        | M.        | 7 2        | 4 32 | 1 29  | 6 56           |                            |
| 6 58       | 4 35 | 2 29  | 4 46           | 25        | T.        | 7 3        | 4 31 | 2 20  | 7 57           |                            |
| 6 59       | 4 35 | 3 30  | 5 39           | 26        | W.        | 7 4        | 4 31 | 3 32  | 8 53           |                            |
| 7 0        | 4 35 | 4 29  | 6 27           | 27        | T.        | 7 5        | 4 30 | 4 32  | 9 45           |                            |
| 7 2        | 4 34 | 5 27  | 7 11           | 28        | F.        | 7 6        | 4 30 | 5 30  | 10 32          |                            |
| 7 3        | 4 34 | 6 22  | 7 52           | 29        | S.        | 7 7        | 4 30 | 6 26  | 11 14          |                            |
| 7 4        | 4 34 | 7 16  | 8 31           | 30        | S.        | 7 8        | 4 29 | 7 21  | 11 52          |                            |

# DECEMBER, 1902

| MOON'S PHASES.      | East. Time. | Cent. Time. | West. Time.  |
|---------------------|-------------|-------------|--------------|
| First Quarter. 8 D. | 1 h. 26 m.  | 0 h. 26 m.  | 11 h. 26 (7) |
| Full Moon...14 D.   | 10 h. 47 m. | 9 h. 47 m.  | 8 h. 47 m.   |
| Last Quarter.21 D.  | 8 h. 0 m.   | 2 h. 0 m.   | 1 h. 0 m.    |
| New Moon...29 D.    | 4 h. 25 m.  | 3 h. 25 m.  | 2 h. 25 m.   |

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., & Ill.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.

| MEAN TIME. |      |       | STAN.<br>TIME. | D. OF MO. | D. OF WK. | MEAN TIME. |      |       | STAN.<br>TIME. | H. W.<br>N. Y.<br>Gov. Is. |
|------------|------|-------|----------------|-----------|-----------|------------|------|-------|----------------|----------------------------|
| Sun        | Sun  | Moon  |                |           |           | Sun        | Sun  | Moon  |                | Boston,<br>N. Yard         |
| 7 5        | 4 34 | 6 11  | 9 7            | 1         | S.        | 7 6        | 4 33 | 7 2   | 9 40           |                            |
| 7 6        | 4 33 | 7 2   | 9 40           | 2         | T.        | 7 7        | 4 33 | 7 56  | 10 11          |                            |
| 7 7        | 4 33 | 7 56  | 10 11          | 3         | W.        | 7 8        | 4 33 | 8 51  | 10 45          |                            |
| 7 8        | 4 33 | 8 51  | 10 45          | 4         | Th.       | 7 9        | 4 32 | 9 48  | 11 26          |                            |
| 7 9        | 4 32 | 9 48  | 11 26          | 5         | F.        | 7 10       | 4 32 | 10 46 | morn           |                            |
| 7 10       | 4 32 | 10 46 | morn           | 6         | S.        | 7 11       | 4 32 | 11 44 | 1 16           |                            |
| 7 11       | 4 32 | 11 44 | 1 16           | 7         | M.        | 7 12       | 4 32 | morn  | 1 12           |                            |
| 7 12       | 4 32 | morn  | 1 12           | 8         | T.        | 7 13       | 4 32 | 45    | 2 13           |                            |
| 7 13       | 4 32 | 45    | 2 13           | 9         | W.        | 7 14       | 4 32 | 1 47  | 3 15           |                            |
| 7 14       | 4 32 | 1 47  | 3 15           | 10        | Th.       | 7 15       | 4 32 | 2 52  | 4 15           |                            |
| 7 15       | 4 32 | 4 15  | 12             | 11        | F.        | 7 16       | 4 33 | 4 1   | 5 11           |                            |
| 7 16       | 4 33 | 5 10  | 6 55           | 12        | S.        | 7 17       | 4 33 | 6 17  | 6 58           |                            |
| 7 17       | 4 33 | 6 17  | 6 58           | 13        | M.        | 7 18       | 4 33 | rises | 7 50           |                            |
| 7 18       | 4 33 | 6 49  | 8 42           | 14        | T.        | 7 19       | 4 34 | 7 59  | 9 34           |                            |
| 7 19       | 4 34 | 9 8   | 10 27          | 15        | W.        | 7 20       | 4 34 | 10 15 | 11 21          |                            |
| 7 20       | 4 34 | 10 15 | 11 21          | 16        | Th.       | 7 21       | 4 35 | 11 21 | ev. 18         |                            |
| 7 20       | 4 35 | 11 21 | ev. 18         | 20        | F.        | 7 22       | 4 35 | morn  | 1 17           |                            |
| 7 21       | 4 35 | morn  | 1 17           | 21        | S.        | 7 23       | 4 36 | 22    | 2 17           |                            |
| 7 21       | 4 36 | 22    | 2 17           | 22        | M.        | 7 22       | 4 37 | 1 23  | 3 17           |                            |
| 7 22       | 4 37 | 1 23  | 3 17           | 23        | T.        | 7 23       | 4 37 | 2 24  | 4 16           |                            |
| 7 22       | 4 37 | 2 24  | 4 16           | 24        | W.        | 7 23       | 4 38 | 3 20  | 5 11           |                            |
| 7 23       | 4 38 | 3 20  | 5 11           | 25        | T.        | 7 23       | 4 39 | 4 17  | 6 2            |                            |
| 7 23       | 4 39 | 4 17  | 6 2            | 26        | F.        | 7 23       | 4 39 | 5 11  | 6 48           |                            |
| 7 23       | 4 39 | 5 11  | 6 48           | 27        | S.        | 7 23       | 4 40 | 6 2   | 7 28           |                            |
| 7 23       | 4 40 | 6 2   | 7 28           | 28        | S.        | 7 24       | 4 40 | 6 50  | 8 7            |                            |
| 7 24       | 4 40 | 6 50  | 8 7            | 29        | M.        | 7 24       | 4 41 | sets  | 8 41           |                            |
| 7 24       | 4 41 | sets  | 8 41           | 30        | T.        | 7 24       | 4 42 | 6 44  | 9 14           |                            |
| 7 24       | 4 42 | 6 44  | 9 14           | 31        |           |            |      |       |                |                            |

## Domestic Postage.

**FIRST CLASS.**—Letters and all written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner, so that it cannot be easily examined, **two cents per ounce** or fraction thereof. A "Special Delivery" ten-cent stamp, when attached to a letter in addition to the lawful postage, shall entitle the letter to immediate delivery at, or within one mile of, any post-office. Postal cards, one cent each; with paid reply, two cents each.

**SECOND CLASS.**—All regular newspapers, magazines, and other periodicals issued at intervals not exceeding three months; the postage is **one cent for each four ounces**, payable by postage stamps.

**THIRD CLASS.**—Embraces printed books, pamphlets, circulars, engravings, lithographs, proof-sheets and manuscript accompanying the same, and all matter of the same general character, and not having the character of personal correspondence. Circulars produced by hectograph or similar process, or by electric pen, are rated as third class. The limit of weight for mail matter of the third class is four pounds, except in the case of single books exceeding that weight. The rate of postage on mail matter of the third class is **one cent for each two ounces** or fraction thereof.

**FOURTH CLASS.**—All mailable matter not included in the three preceding classes, which is so prepared for mailing as to be easily taken from the wrapper and examined. Rate, **one cent per ounce** or fraction thereof, except seeds, roots, cuttings, bulbs, plants and scions, which are 1 cent per two ounces. Limit of weight, 4 lbs. Full prepayment compulsory. Liquids, and other like injurious matter, not admitted, except under conditions which may be learned at any post-office.

Register all valuable letters and packages. Registry fee, **eight cents**, which, with the postage, must be fully prepaid.

**FEES CHARGED FOR MONEY-ORDERS.**—For Money Orders in denominations of \$100 or less, the following fees are charged: For Orders for sums not exceeding \$2.50, 3 cents; \$2.50 to \$5, 5 cents; \$5 to \$10, 8 cents; \$10 to \$20, 10 cents; \$20 to \$30, 12 cents; \$30 to \$40, 15 cents; \$40 to \$50, 18 cents; \$50 to \$60, 20 cents; \$60 to \$75, 25 cents; \$75 to \$100, 30 cents.

## foreign Postage.

To all Foreign Countries (except Canada and Mexico):

On Letters, **five cents for each half ounce** or fraction thereof—prepayment optional. Double rates are collected on delivery of unpaid or short-paid letters.

International Postal Card, two cents.

On Newspapers, Books, Pamphlets, Photographs, Sheet Music, Maps, Engravings, and similar printed matter, **one cent for each two ounces** or fraction thereof.

All matter except Letters must be prepaid. Letters and other packages may be registered on payment of a fee of eight cents.

To CANADA (including Nova Scotia, New Brunswick, Manitoba, and Prince Edward Island): LETTERS, **two cents for each ounce** or fraction thereof; Books, Circulars, and similar printed matter, **one cent for each two ounces** or fraction thereof; SECOND CLASS MATTER same as in the United States; SAMPLES, **one cent per two ounces** (must be paid at least two cents); MERCHANDISE, **one cent per ounce**. Packages must not exceed 4 lbs. in weight—prepayment compulsory. No sealed packages other than letters in their usual and ordinary form may be sent by mail to Canada.

To MEXICO and CUBA: Letters, Postal Cards, and printed matter, same rates as in the United States. SAMPLES, **one cent per two ounces**; MERCHANDISE other than Samples can only be sent by Parcel Post. No sealed packages other than letters in their usual and ordinary form may be sent by mail.

To PHILIPPINES, GUAM, PORTO RICO, and HAWAII, same rates as in the United States.

**LIMITS OF SIZE AND WEIGHT:** Packages of samples of merchandise to all countries must not exceed 12 ozs., nor measure more than 12 inches in length, 8 in breadth, and 4 in depth; and packages of printed matter must not exceed 4 lbs. 6 ozs.

**INTERNATIONAL OR FOREIGN MONEY-ORDER FEES.**—On Money Orders payable in foreign countries the following fees are charged: For Orders for sums of \$10 or less, 10 cents; \$10 to \$20, 20 cents; \$20 to \$30, 30 cents; \$30 to \$40, 40 cents; \$40 to \$50, 50 cents; \$50 to \$60, 60 cents; \$60 to \$70, 70 cents; \$70 to \$80, 80 cents; \$80 to \$90, 90 cents; \$90 to \$100, \$1.00.

## Interest Tables.

| <b>4%</b> | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 4 DAY.    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 5     | 45     |
| 8 "       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 1    | 9     | 89     |
| 12 "      | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 1   | 2    | 14    | 134    |
| 16 "      | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 2   | 2   | 2    | 18    | 178    |
| 20 "      | 0   | 0   | 0   | 1   | 1   | 2   | 2   | 2   | 2   | 2    | 22    | 222    |
| 24 "      | 0   | 0   | 1   | 1   | 2   | 2   | 2   | 3   | 3   | 3    | 27    | 267    |
| 28 "      | 0   | 0   | 1   | 1   | 2   | 2   | 2   | 3   | 3   | 3    | 31    | 311    |
| 1 MO..    | 0   | 0   | 1   | 2   | 2   | 3   | 3   | 3   | 4   | 34   | 334   |        |
| 2 "       | 0   | 2   | 2   | 3   | 4   | 5   | 6   | 6   | 7   | 67   | 667   |        |
| 3 "       | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10   | 1.00  | 10.00  |
| 6 "       | 2   | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20   | 2.00  | 20.00  |
| 1 YR..    | 4   | 8   | 12  | 16  | 20  | 24  | 28  | 32  | 36  | 40   | 4.00  | 40.00  |

| <b>5%</b> | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 4 DAY.    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 6     | 56     |
| 8 "       | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 1   | 1    | 11    | 111    |
| 12 "      | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 2   | 2   | 2    | 17    | 167    |
| 16 "      | 0   | 0   | 0   | 1   | 1   | 2   | 2   | 2   | 2   | 2    | 22    | 222    |
| 20 "      | 0   | 0   | 1   | 1   | 2   | 2   | 2   | 3   | 3   | 3    | 28    | 274    |
| 24 "      | 0   | 0   | 1   | 2   | 2   | 3   | 3   | 3   | 4   | 34   | 334   |        |
| 28 "      | 0   | 1   | 1   | 2   | 2   | 3   | 3   | 3   | 4   | 4    | 39    | 384    |
| 1 MO..    | 0   | 1   | 2   | 2   | 3   | 3   | 3   | 4   | 4   | 4    | 42    | 417    |
| 2 "       | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 9    | 84    | 834    |
| 3 "       | 2   | 3   | 4   | 5   | 6   | 7   | 9   | 10  | 11  | 13   | 1.25  | 12.50  |
| 6 "       | 3   | 5   | 8   | 10  | 13  | 15  | 18  | 20  | 23  | 25   | 2.50  | 25.00  |
| 1 YR..    | 5   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 45  | 50   | 5.00  | 50.00  |

| <b>6%</b> | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 4 DAY.    | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 1    | 7     | .67    |
| 8 "       | 0   | 0   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 13    | 133    |
| 12 "      | 0   | 0   | 1   | 1   | 1   | 1   | 2   | 2   | 2   | 2    | 20    | 200    |
| 16 "      | 0   | 1   | 1   | 1   | 2   | 2   | 2   | 3   | 3   | 3    | 27    | 267    |
| 20 "      | 1   | 1   | 1   | 2   | 2   | 2   | 3   | 3   | 3   | 3    | 33    | 333    |
| 24 "      | 1   | 1   | 1   | 2   | 2   | 3   | 3   | 4   | 4   | 4    | 40    | 400    |
| 1 MO..    | 1   | 1   | 2   | 2   | 3   | 3   | 4   | 4   | 5   | 5    | 50    | 500    |
| 2 "       | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10   | 1.00  | 10.00  |
| 3 "       | 2   | 3   | 5   | 6   | 8   | 9   | 11  | 12  | 14  | 15   | 1.50  | 15.00  |
| 6 "       | 3   | 6   | 9   | 12  | 15  | 18  | 21  | 24  | 27  | 30   | 3.00  | 30.00  |
| 1 YR..    | 6   | 12  | 18  | 24  | 30  | 36  | 42  | 48  | 54  | 60   | 6.00  | 60.00  |

## Rules for Computing Interest.

The following will be found to be excellent rules for finding the interest on any principal for any number of days. When the principal contains cents, point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places.

**Four per Cent.**— Multiply the principal by the number of days to run, and divide by 90.

**Five per Cent.**— Multiply by number of days, and divide by 72.

**Six per Cent.**— Multiply by number of days, and divide by 60.

**Seven per Cent.**— Multiply by number of days, and divide by 52.

**Eight per Cent.**— Multiply by number of days, and divide by 45.

**Nine per Cent.**— Multiply by number of days, and divide by 40.

**Ten per Cent.**— Multiply by number of days, and divide by 36.

**Twelve per Cent.**— Multiply by number of days, and divide by 30.

**Fifteen per Cent.**— Multiply by number of days, and divide by 24.

**Eighteen per Cent.**— Multiply by number of days, and divide by 20.

**Twenty per Cent.**— Multiply by number of days, and divide by 18.

**Twenty-four per Cent.**— Multiply by number of days, and divide by 15.

## Rate of Income on Stocks.

Purchased at the following prices (par value being \$100), and bearing interest at the following rates:

| \$  | Paid. | 3%   | 4%    | 5%    | 6%    | 7%    | 8%    | 9% |
|-----|-------|------|-------|-------|-------|-------|-------|----|
| 50  | 6.00  | 8.00 | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 |    |
| 55  | 5.45  | 7.27 | 9.09  | 10.90 | 12.72 | 14.55 | 16.36 |    |
| 60  | 5.00  | 6.67 | 8.33  | 10.00 | 11.66 | 13.33 | 15.00 |    |
| 65  | 4.62  | 6.15 | 7.69  | 9.23  | 10.76 | 12.30 | 13.85 |    |
| 70  | 4.28  | 5.71 | 7.14  | 8.57  | 10.00 | 11.42 | 12.85 |    |
| 75  | 4.00  | 5.33 | 6.66  | 8.00  | 9.33  | 10.66 | 12.00 |    |
| 80  | 3.75  | 5.00 | 6.25  | 7.50  | 8.75  | 10.00 | 11.25 |    |
| 85  | 3.53  | 4.70 | 5.88  | 7.05  | 8.23  | 9.41  | 10.58 |    |
| 90  | 3.33  | 4.44 | 5.55  | 6.66  | 7.77  | 8.88  | 10.00 |    |
| 91  | 3.30  | 4.40 | 5.49  | 6.59  | 7.69  | 8.79  | 9.89  |    |
| 92  | 3.26  | 4.34 | 5.43  | 6.52  | 7.60  | 8.70  | 9.78  |    |
| 93  | 3.23  | 4.30 | 5.38  | 6.45  | 7.53  | 8.60  | 9.68  |    |
| 94  | 3.19  | 4.26 | 5.32  | 6.38  | 7.45  | 8.51  | 9.57  |    |
| 95  | 3.15  | 4.21 | 5.26  | 6.31  | 7.36  | 8.42  | 9.47  |    |
| 96  | 3.13  | 4.17 | 5.21  | 6.25  | 7.29  | 8.33  | 9.38  |    |
| 97  | 3.09  | 4.12 | 5.15  | 6.18  | 7.22  | 8.25  | 9.28  |    |
| 98  | 3.06  | 4.08 | 5.10  | 6.12  | 7.14  | 8.16  | 9.18  |    |
| 99  | 3.03  | 4.04 | 5.05  | 6.06  | 7.07  | 8.08  | 9.09  |    |
| 101 | 2.97  | 3.96 | 4.95  | 5.94  | 6.93  | 7.92  | 8.91  |    |
| 102 | 2.94  | 3.92 | 4.90  | 5.88  | 6.86  | 7.84  | 8.82  |    |
| 103 | 2.91  | 3.88 | 4.85  | 5.83  | 6.80  | 7.77  | 8.74  |    |
| 104 | 2.88  | 3.85 | 4.81  | 5.77  | 6.73  | 7.69  | 8.65  |    |
| 105 | 2.86  | 3.80 | 4.76  | 5.71  | 6.66  | 7.61  | 8.57  |    |
| 106 | 2.83  | 3.77 | 4.72  | 5.66  | 6.60  | 7.55  | 8.49  |    |
| 107 | 2.80  | 3.74 | 4.67  | 5.61  | 6.54  | 7.48  | 8.41  |    |
| 108 | 2.78  | 3.70 | 4.63  | 5.56  | 6.48  | 7.41  | 8.33  |    |
| 109 | 2.75  | 3.67 | 4.59  | 5.50  | 6.42  | 7.34  | 8.26  |    |
| 110 | 2.72  | 3.63 | 4.54  | 5.45  | 6.36  | 7.27  | 8.18  |    |
| 120 | 2.50  | 3.33 | 4.16  | 5.00  | 5.83  | 6.66  | 7.50  |    |

TABLE OF WAGES BY THE WEEK.

| Wages | One hour. | Five hours. | Eight hours. | Nine hours. | One day. | Two days. | Three days. | Four days. | Five days. | Six days. |
|-------|-----------|-------------|--------------|-------------|----------|-----------|-------------|------------|------------|-----------|
|       | \$3       | .05         | .25          | .40         | .45      | .50       | .55         | .60        | .65        | .70       |
| \$4   | .06 2/3   | .33 1/3     | .53 1/3      | .60         | .66 2/3  | .73       | .80         | .83 1/3    | .89 1/3    | .96 2/3   |
| 5     | .08 1/3   | .41 2/3     | .66 2/3      | .75         | .83 1/3  | .90       | .97 1/3     | .99 1/3    | .99 1/3    | .99 1/3   |
| 6     | .10       | .50         | .80          | .90         | .90      | 1.00      | 1.20        | 1.33 1/3   | 1.33 1/3   | 1.33 1/3  |
| 7     | .11 2/3   | .66 2/3     | .93 1/3      | 1.05        | 1.16 2/3 | 1.33 1/3  | 1.50        | 1.66 2/3   | 1.66 2/3   | 1.66 2/3  |
| 8     | .13 1/3   | .75         | 1.06 2/3     | 1.20        | 1.33 1/3 | 1.66 2/3  | 1.80        | 1.95       | 1.95       | 1.95      |
| 9     | .15       | .80         | 1.20         | 1.35        | 1.50     | 1.75      | 1.90        | 2.00       | 2.00       | 2.00      |
| 10    | .16 2/3   | .83 1/3     | 1.33 1/3     | 1.50        | 1.66 2/3 | 1.83 1/3  | 2.00        | 2.16 2/3   | 2.16 2/3   | 2.16 2/3  |
| 11    | .18 1/3   | .91 2/3     | 1.46 2/3     | 1.65        | 1.83 1/3 | 2.10      | 2.25        | 2.33 1/3   | 2.33 1/3   | 2.33 1/3  |
| 12    | .20       | 1.00        | 1.60         | 1.80        | 1.80     | 2.00      | 2.20        | 2.33 1/3   | 2.33 1/3   | 2.33 1/3  |
| 13    | .21 2/3   | 1.08 1/3    | 1.73 1/3     | 1.95        | 2.16 2/3 | 2.40      | 2.50        | 2.66 2/3   | 2.66 2/3   | 2.66 2/3  |
| 14    | .23 1/3   | 1.16 2/3    | 1.86 2/3     | 2.10        | 2.33 1/3 | 2.50      | 2.70        | 2.83 1/3   | 2.83 1/3   | 2.83 1/3  |
| 15    | .25       | 1.25        | 2.00         | 2.25        | 2.25     | 2.50      | 2.75        | 2.90       | 2.90       | 2.90      |
| 16    | .26 2/3   | 1.33 1/3    | 2.13 1/3     | 2.40        | 2.66 2/3 | 2.83 1/3  | 3.00        | 3.23 1/3   | 3.23 1/3   | 3.23 1/3  |
| 17    | .28 1/3   | 1.41 2/3    | 2.26 2/3     | 2.55        | 2.83 1/3 | 3.00      | 3.25        | 3.50       | 3.50       | 3.50      |
| 18    | .30       | 1.50        | 2.40         | 2.70        | 3.00     | 3.25      | 3.50        | 3.75       | 3.75       | 3.75      |
| 19    | .31 2/3   | 1.58 1/3    | 2.53 1/3     | 2.85        | 3.16 2/3 | 3.33 1/3  | 3.50        | 3.75       | 3.75       | 3.75      |
| 20    | .33 1/3   | 1.66 2/3    | 2.66 2/3     | 3.00        | 3.33 1/3 | 3.60      | 3.80        | 4.00       | 4.00       | 4.00      |
| 24    | .40       | 2.00        | 3.20         | 3.60        | 3.60     | 4.00      | 4.20        | 4.40       | 4.40       | 4.40      |

This Table is based upon the usual calculation of 10 hours to a day.

## Weights—Measures.

MEASURES OF WEIGHT.—*Avoirdupois*: 1 pound equals 7000 grains; 16 drams, 1 ounce; 16 ounces, 1 pound; 112 pounds, 1 hundredweight; 20 hundredweights, 1 ton. *Troy*: 1 pound equals 5760 grains; 24 grains, 1 pennyweight; 20 pennyweights, 1 ounce; 12 ounces, 1 pound. *Apothecaries*: 1 pound equals 5760 grains; 20 grains, 1 scruple; 3 scruples, 1 dram; 8 drams, 1 ounce; 12 ounces, 1 pound. *Metric*: 1 kilogramme equals 1000 grammes, equals 2.2 Avoirdupois pounds.

MEASURES OF LENGTH.—*Customary*: 12 inches equal 1 foot; 16½ feet, 1 rod; 40 rods, 1 furlong; 8 furlongs, 1 statute mile; 1 statute mile, 5280 feet or 1760 yards; 1 marine league, 3 nautical miles; 1 fathom, 6 feet; 1 nautical mile equals 6080.2 feet. *Metric*: 1000 millimetres equal 1 metre; 1000 metres, 1 kilometre; 1 metre equals 39.37 inches.

SURFACE OR SQUARE MEASURE.—*Customary*: 144 square inches equal 1 square foot; 9 square feet, 1 square yard; 30.25 square yards, 1 square rod; 40 square rods, 1 square rood; 4 square roods, 1 acre; 640 acres, 1 square mile; 1 acre equals 208.7 feet square. *Metric*: 1 square metre equals 10.764 square feet; 100 square metres equal 1 are; 1 hectare equals 100 acres, or 2.471 acres.

SOLID OR CUBIC MEASURE.—*Customary*: 1728 cubic inches equal 1 cubic foot; 27 cubic feet, 1 cubic yard; 40 cubic feet of round timber, 1 ton; 50 cubic feet of hewn timber, 1 ton; 128 cubic feet of wood (4 feet by 4 feet by 8 feet), 1 cord; 24.75 cubic feet of stone, 1 perch—usually 16½ feet by 1½ feet by 1 foot, but varies greatly. *Metric*: 1000 cubic centimetres equal 1 litre; 1 litre equals 1.0567 quarts.

LIQUID MEASURE.—English gallon equals 277.274 cubic inches, or 1.20032 U. S. gallons; 4 gills, 1 pint; 2 pints, 1 quart; 4 quarts, 1 gallon.

DRY MEASURE.—1 bushel equals 2150.42 cubic inches; 2 pints, 1 quart; 4 quarts, 1 gallon; 2 gallons, 1 peck; 4 pecks, 1 bushel. *Metric*: 10 millilitres equal 1 centilitre; 10 centilitres, 1 decilitre; 10 decilitres, 1 litre; 1 litre, 0.908 dry quart.

### CAPACITY OF BOXES.

|                            |   |                          |
|----------------------------|---|--------------------------|
| 25 in. sq., 11.66 in. deep | = | Approx. 1 wine barrel.   |
| 20 " " 9.10 " " =          | " | 1 wine half barrel.      |
| 17 " x 14 in. 9.00 " " =   | " | 1 bushel.                |
| 10 " x 12 " 9.00 " " =     | " | ½ "                      |
| 8 " sq., 8.40 " " =        | " | 1 peck.                  |
| 8 " 4.20 " " =             | " | 1 gal. (dry measure).    |
| 7 " diam., 6.00 " " =      | " | 1 gal. (liquid measure). |

## The Metric System.

The Metric System of Weights and Measures has been legalized by act of Congress, July 18, 1896.

METRIC WEIGHTS.—10 milligrams make 1 centigram, 10 centigrams 1 decigram, 10 decigrams 1 gram, 10 grams 1 dekagram, 10 dekagrams 1 hektogram, 10 hektograms 1 kilogram, 1,000 kilograms 1 metric ton.

METRIC MEASURES.—(One milliliter equals cubic centimeter.) 10 milliliters make 1 centiliter, 10 centiliters 1 deciliter, 10 deciliters 1 liter, 10 liters 1 dekaliter, 10 dekaliters 1 hektoliter, 10 hektoliters 1 kiloliter.

METRIC LENGTHS.—10 millimeters make 1 centimeter, 10 centimeters 1 decimeter, 10 decimeters 1 meter, 10 meters 1 dekameter, 10 dekameters 1 hektometer, 10 hektometers 1 kilometer.

### APPROXIMATE EQUIVALENTS.

A meter is about a yard; a kilo is about 2 pounds; a liter is about a quart; a centimeter is about  $\frac{1}{3}$  inch; a metric ton is about same as an ordinary ton; a kilometer is about  $\frac{1}{2}$  mile; a cubic centimeter is about a thimbleful. A nickel five-cent piece of our coinage is a handy key to metric measures and weights. It is two centimeters in diameter and weighs five grams.

### PRECISE EQUIVALENTS.

1 acre equals .4047 hectare; 1 bushel, 35.24 liters; 1 centimeter, .3937 inch; 1 cubic centimeter, .0610 cubic inch; 1 cubic foot, .0283 cubic meter; 1 cubic inch, 16.39 cubic cent.; 1 cubic meter, 35.31 cubic feet; 1 cubic meter, 1.308 cubic yards; 1 cubic yard, .7645 cubic meter; 1 foot, 30.48 centimeters; 1 gallon, 3.785 liters; 1 grain, .0648 gram; 1 gram, 15.43 grains; 1 hectare, 2.471 acres; 1 inch, 25.40 millimeters; 1 kilogram, 2.05 pounds; 1 kilometer, .6214 mile; 1 liter, .9081 quart (dry); 1 liter, 1.057 quart (liquid); 1 meter, 3.281 feet; 1 mile, 1.609 kilometers; 1 millimeter, .0394 inch; 1 ounce (avd.), 28.35 grams; 1 ounce (Troy), 31.10 grams; 1 peck, 8.809 liters; 1 pint, .4732 liter; 1 pound, .4536 kilogram; 1 quart (dry), 1.101 liters; 1 quart (liquid), .9464 liter; 1 sq. centimeter, .1550 sq. inch; 1 sq. foot, .0927 sq. meter; 1 sq. inch, 6.452 sq. cent.; 1 sq. meter, 1.196 sq. yards; 1 sq. meter, 10.76 sq. feet; 1 sq. yard, .8361 sq. meter; 1 ton (2,000 lbs.), .9072 metric ton; 1 ton (2,240 lbs.), 1.017 metric ton; 1 ton (metric), 1.102 ton (2000 lbs.); 1 ton (metric), 9.842 ton (2,240 lbs.); 1 yard, .9144 meter.

## PRESIDENTS OF THE UNITED STATES.

| Names.                 | Born.          | Inaugurated.   | In Office.   | Died.          | Native of  |
|------------------------|----------------|----------------|--------------|----------------|------------|
| George Washington.     | Feb. 22, 1732  | April 30, 1789 | 8 years...   | Dec. 14, 1799  | Virginia.  |
| John Adams.....        | Oct. 30, 1735  | Mar. 4, 1797   | 4 " "        | July 4, 1826   | Mass.      |
| Thomas Jefferson ..    | April 2, 1743  | " 4, 1801      | 8 " "        | July 4, 1826   | Virginia.  |
| James Madison.....     | Mar. 16, 1751  | " 4, 1809      | 8 " "        | June 28, 1836  | "          |
| James Monroe.....      | April 2, 1759  | " 4, 1817      | 8 " "        | July 4, 1831   | "          |
| John Quincy Adams.     | July 11, 1767  | " 4, 1825      | 4 " "        | Feb. 23, 1848  | Mass.      |
| Andrew Jackson ..      | Mar. 15, 1767  | " 4, 1829      | 8 " "        | June 8, 1845   | S. Carol.  |
| Martin Van Buren...:   | Dec. 5, 1782   | " 4, 1837      | 4 " "        | Dec. 27, 1862  | New-York.  |
| William H. Harrison.   | Feb. 9, 1773   | " 4, 1841      | 1 month...   | April 4, 1841  | Virginia.  |
| John Tyler.....        | Mar. 20, 1790  | April 5, 1841  | 3 yrs. 11 m. | Jan. 17, 1862  | "          |
| James K. Polk.....     | Nov. 2, 1795   | Mar. 4, 1845   | 4 years...   | June 15, 1849  | N. Carol.  |
| Zachary Taylor.....    | Nov. 24, 1790  | " 4, 1849      | 1 yr. 4 m.   | July 9, 1850   | Virginia.  |
| Millard Fillmore ..    | May 7, 1800    | July 10, 1850  | 2 yrs. 8 m.  | Mar. 8, 1874   | New-York.  |
| Franklin Pierce .....  | Nov. 23, 1804  | Mar. 4, 1853   | 4 years...   | Oct. 8, 1869   | N. Hamp.   |
| James Buchanan .....   | April 23, 1791 | " 4, 1857      | 4 " "        | June 1, 1868   | Pennsylva. |
| Abraham Lincoln ..     | Feb. 12, 1809  | " 4, 1861      | 4 yrs. 40 d. | April 15, 1865 | Kentucky.  |
| Andrew Johnson....     | Dec. 29, 1808  | April 15, 1865 | 3 yrs. 11 m. | July 31, 1875  | N. Carol.  |
| Ulysses S. Grant ..... | April 27, 1822 | Mar. 4, 1869   | 8 years...   | July 23, 1885  | Ohio.      |
| Rutherford B. Hayes    | Oct. 4, 1822   | " 5, 1877      | 4 " "        | Jan. 17, 1893  | "          |
| James A. Garfield....  | Nov. 19, 1831  | " 4, 1881      | 6 m. 15 d.   | Sept. 19, 1881 | "          |
| Chester A. Arthur...   | Oct. 5, 1830   | Sept. 19, 1881 | 3 yrs. 5 m.  | Nov. 18, 1886  | Vermont.   |
| Grover Cleveland..     | Mar. 18, 1837  | Mar. 4, 1885   | 4 years...   | "              | N. Jersey. |
| Benjamin Harrison...   | Aug. 20, 1833  | " 4, 1889      | 4 " "        | Mar. 13, 1901  | Ohio.      |
| Grover Cleveland ..    | Mar. 18, 1837  | " 4, 1893      | 4 " "        | "              | N. Jersey. |
| William McKinley ..    | Jan. 29, 1843  | " 4, 1897      | "            | "              | Ohio.      |

## Presidents.

## Revenue Stamps.

|  |         |
|--|---------|
| Bankers — for first \$25,000 of capital.....   | \$50.00 |
| For each \$1,000 in excess of \$25,000.....  | 2.00    |
| Stock Brokers, \$50.00; Pawnbrokers .....  | 20.00   |
| Custom House Brokers.....  | 10.00   |
| Theatres, Museums and Concert Halls in cities, popula-<br>tion 25,000 .....                              | 100.00  |
| Circus .....   | 100.00  |
| Public Exhibitions .....   | 10.00   |
| Bowling Alleys, each alley.....  | 5.00    |
| Billiard Rooms, each table.....  | 5.00    |
| Bill of Exchange (foreign) for each \$100 or fraction<br>(not in sets).....                              | .02     |
| In sets, for each bill of set, for each \$100.....   | .02     |
| Bill of Exchange (inland) for each \$100 or fraction.....  | .02     |
| Draft .....  | .02     |
| Bonds — issued by companies, per \$100 .....   | .05     |
| Foreign, per \$100 .....   | .05     |
| Agreement of Sale of Merchandise, per \$100.....   | .01     |
| Bond, indemnifying .....   | .50     |
| Custom House — Entry value, \$100, 25 cents; \$500 .....   | .50     |
| Over \$500.....  | 1.00    |
| Entry for withdrawal .....   | .50     |
| Certificates of Stock, original issue, each \$100 .....  | .05     |
| Stocks on sales or transfers, per \$100 — includes Bucket<br>Shops .....                                 | .02     |
| Money Orders — Foreign Telegraph — per \$100 .....   | .04     |
| Foreign Letters of Credit — per \$100 .....  | .04     |
| Drafts payable on time, per \$100 or fraction .....  | .02     |
| Parlor Car Seat, 1 cent; Sleeping Car Berth.....   | .01     |
| Tobacco — per pound, 12 cents; Tea — per pound.....  | .10     |
| Deed of Real Estate, for first \$2,500 .....   | .50     |
| Each additional \$500.....   | .25     |
| Mixed Flour — upon the person or company engaged<br>in business, per annum .....                         | 12.00   |
| On each barrel, 4 cents; one-half barrel, 2 cents;<br>one-quarter barrel, 1 cent; one-eighth barrel..... | .01     |
| Beer and other fermented liquors, per barrel .....   | 1.60    |
| Cigars — weighing not more than 3 lbs. per 1,000, per lb.....  | .18     |
| Weighing more than 3 lbs. per 1,000, per thousand.....   | 3.00    |
| Cigarettes — weighing more than 3 lbs. per 1,000, per<br>thousand .....                                  | 3.00    |
| Weighing not more than 3 lbs. per 1,000, wholesale<br>value not more than \$2.00 per 1,000, per lb.....  | .18     |
| Weighing not more than 3 lbs. per 1,000, whole-<br>sale value more than \$2.00 per 1,000, per pound ..   | .36     |

## Principal Cities.

POPULATION, DISTANCE FROM NEW-YORK, AND DIFFERENCE BETWEEN MEAN AND STANDARD TIME.

| CITIES.                   | Population<br>1900. | Miles | Hours  | Stan. Time<br>— { Mean<br>+ } Time. |
|---------------------------|---------------------|-------|--------|-------------------------------------|
| New-York, N. Y.....       | 3,437,202           | ....  | ....   | — 4 m.                              |
| Chicago, Ill.....         | 1,645,575           | 912   | 24.    | — 9                                 |
| Philadelphia, Pa.....     | 1,293,697           | 90    | 2.     | + 1                                 |
| St. Louis, Mo.....        | 575,238             | 1065  | 20.40  | + 1                                 |
| Boston, Mass.....         | 560,892             | 234   | 5.     | — 16                                |
| Baltimore, Md.....        | 508,957             | 188   | 4.09   | + 6                                 |
| Cleveland, Ohio.....      | 381,718             | 565   | 14.20  | + 27                                |
| Buffalo, N. Y.....        | 325,357             | 410   | 8.20   | + 16                                |
| San Francisco, Cal.....   | 342,752             | 3209  | 100.15 | + 10                                |
| Cincinnati, Ohio.....     | 325,042             | 737   | 21.10  | — 22                                |
| Pittsburgh, Pa.....       | 321,116             | 444   | 12.    | + 20                                |
| New Orleans, La.....      | 287,104             | 1371  | 48.    | 0                                   |
| Detroit, Mich.....        | 285,704             | 646   | 16.55  | — 28                                |
| Milwaukee, Wis.....       | 285,315             | 997   | 27.10  | — 8                                 |
| Washington, D. C.....     | 278,718             | 228   | 5.25   | + 8                                 |
| Newark, N. J.....         | 246,170             | 10    | .30    | — 3                                 |
| Louisville, Ky.....       | 204,731             | 867   | 24.30  | — 18                                |
| Minneapolis, Minn.....    | 202,718             | 1332  | 39.    | + 12                                |
| Providence, R. I.....     | 175,597             | 186   | 4.01   | — 14                                |
| Indianapolis, Ind.....    | 169,164             | 825   | 22.30  | — 16                                |
| Kansas City, Mo.....      | 163,752             | 1385  | 41.30  | + 19                                |
| St. Paul, Minn.....       | 163,695             | 1322  | 38.4   | + 12                                |
| Rochester, N. Y.....      | 162,662             | 371   | 0.55   | + 11                                |
| Denver, Col.....          | 133,859             | 1974  | 60.    | 0                                   |
| Toledo, Ohio.....         | 131,822             | 706   | 17.30  | — 16                                |
| Columbus, Ohio.....       | 125,560             | 540   | 17.    | — 28                                |
| Worcester, Mass.....      | 118,421             | 190   | 5.     | — 13                                |
| Syracuse, N. Y.....       | 108,374             | 291   | 5.28   | + 5                                 |
| Omaha, Neb.....           | 102,555             | 1402  | 41.30  | + 14                                |
| Los Angeles, Cal.....     | 102,479             | 3177  | 100.   | — 7                                 |
| Albany, N. Y.....         | 94,151              | 143   | 2.45   | — 5                                 |
| Portland, Ore.....        | 90,426              | 3226  | 112.30 | + 20                                |
| Grand Rapids, Mich.....   | 87,565              | 934   | 23.08  | — 17                                |
| Seattle, Wash.....        | 80,671              | 3358  | 120.   | + 10                                |
| Des Moines, Iowa.....     | 62,139              | 1270  | 41.    | + 14                                |
| Savannah, Ga.....         | 54,244              | 904   | 31.    | + 24                                |
| Salt Lake City, Utah..... | 53,531              | 2471  | 72.    | + 28                                |
| Lincoln, Neb.....         | 40,169              | 1460  | 30.30  | + 22                                |
| Tacoma, Wash.....         | 37,714              | 3209  | 128.   | + 9                                 |

## Foreign Coins.

| DENOMINATION.               | COUNTRY.              | Equivalent<br>U. S. Money. |
|-----------------------------|-----------------------|----------------------------|
| Alfonso.....                | Spain.....            | \$4.80.                    |
| Boliviano.....              | Bolivia.....          | .69.8                      |
| Crown.....                  | Nor'y, Swed'n, Den'k. | .26.8                      |
| Dollar.....                 | British America.....  | 1.00.                      |
| "                           | Mexico.....           | .75 8                      |
| "                           | Spain.....            | .94.                       |
| Drachma.....                | Greece.....           | .19.3                      |
| Florin.....                 | Austria.....          | .34.5                      |
| "                           | Netherlands.....      | .40.2                      |
| Franc.....                  | France, Belg., Switz. | .19.3                      |
| 20 Kroner.....              | Nor'y, Swed'n, Den'k. | 5.25.                      |
| Lira.....                   | Italy.....            | .19.3                      |
| Mark.....                   | German Empire.....    | .23.8                      |
| Milreis of 1000 reis.....   | Brazil.....           | .54.6                      |
| " "                         | Portugal.....         | 1.08.                      |
| Peseta of 100 centimes..... | Spain.....            | .19.3                      |
| Peso.....                   | Chili.....            | .91.2                      |
| "                           | Cuba.....             | .92.6                      |
| Piaster.....                | Egypt.....            | .04.9                      |
| "                           | Turkey.....           | .04.4                      |
| Pound Sterling (Sovereign)  | England.....          | 4.87.                      |
| Rouble of 100 copecks.....  | Russia.....           | .55.8                      |
| Shilling.....               | England.....          | .24.                       |
| Sol.....                    | Peru.....             | .69.8                      |
| Thaler (3 marks).....       | Germany.....          | .70.                       |
| Yen.....                    | Japan.....            | .88.8                      |

### Explanation of the Currencies of the various Countries.

AUSTRIA AND RUSSIA.—The Paper Currencies are continually subject to important fluctuations.

In FRANCE, BELGIUM, SWITZERLAND, AND ITALY, 1 franc = 100 centimes. GERMANY, 1 mark = 100 pfennig. HOLLAND, 1 florin or gulden = 100 cents. NORWAY, SWEDEN, AND DENMARK, 1 kroner = 100 öre. UNITED STATES, 1 dollar = 100 cents. SPAIN, 1 peseta = 100 centavos. AUSTRIA, 1 florin = 100 kreuzer. PORTUGAL, 1 milreis = 1000 reis. GREECE, 1 drachma = 100 leptas. TURKEY, 1 piaster = 40 paras. RUSSIA, 1 rouble = 100 copecks.

Italian notes and silver are not current in France, Belgium, and Switzerland, but the silver of these countries passes current in Italy.

## Help in Case of Accidents.

DROWNING.—1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach, and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils, and pressing the "Adam's apple" back (so as to close entrance to stomach), direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. DON'T GIVE UP! People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air, and quiet.

SUNSTROKE.—There are two important indications for treatment—reduction of temperature and the use of stimulants. The patient should first be removed to a cooler spot if possible, or at least where shade can be secured. The treatment should be begun at once. The clothing about the neck and body must be either loosened or removed. Cold is particularly indicated in cases where there is great heat of the body, and delirium and convulsive movements are present. This means of reducing the temperature may be applied in the shape of cracked ice about the head and spine, or the use of cold water. If the heat of the body is very great, it may be necessary to wrap the patient in sheets wet with cold water. If there is, besides the great heat, evidence of serious depression, stimulants must be used while the cold is being applied.

HÆMORRHAGE.—The usual treatment is rest in the recumbent position; small pieces of ice should be freely swallowed, and the application of ice wrapped in a towel or in an ice-bag, or snow, cold water, etc., over the stomach; hot applications may be applied to the extremities.

FIRE IN A BUILDING.—Crawl on the floor. The clearest air is the lowest in the room. Cover head with woolen wrap, wet if possible. Cut holes for the eyes. Don't get excited.

## Help in Case of Accidents.

BURNS AND SCALDS.—Cover with cooking soda and lay wet cloths over it. Whites of eggs and olive oil. Olive oil or linseed oil, plain, or mixed with chalk or whiting. Sweet or olive oil and lime-water. Shock, which is always present in severe burns, requires the administration of stimulants. Pain is more constant and intense in burns than in any other form of injury, and requires sedatives, which should be administered by the medical attendant. Later on the appearances of inflammation and other complications are to be carefully watched for.

SUFFOCATION FROM INHALING ILLUMINATING GAS.—Get into the fresh air as soon as possible and lie down. Keep warm. Take ammonia—twenty drops to a tumbler of water, at frequent intervals; also, two to four drops tincture of nux vomica every hour or two for five or six hours.

TESTS OF DEATH.—Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead, the hole will remain; if alive, it will close up. Place fingers in front of a strong light. If alive, they will appear red; if dead, black or dark.

MAD DOG OR SNAKE-BITE.—Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife. Give stimulants, as whisky, brandy, etc.

FIRE IN ONE'S CLOTHING.—Don't run—especially not downstairs or out-of-doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down, so as not to inhale flame.

FIRE FROM KEROSENE.—Don't use water, it will spread the flames. Dirt, sand, or flour is the best extinguisher, or smother with woolen rug, table-cloth, or carpet.

CINDERS IN THE EYE.—Roll soft paper up like a lamp lighter, and wet the tip to remove, or use a medicine dropper to draw it out. Rub the other eye.

FAINTING.—Place flat on back; allow fresh air, and sprinkle with water. Place head lower than rest of body.

STINGS OF VENOMOUS INSECTS, ETC.—Apply weak ammonia, oil, salt water, or iodine.

LIGHTNING.—Dash cold water over a person struck.

## Poisons and Antidotes.

FIRST.—Send for a physician.

SECOND.—INDUCE VOMITING, by tickling throat with feather or finger. Drink hot water or strong mustard and water. Swallow sweet oil or whites of eggs.

*Acids are antidotes for alkalies, and vice versa.*

ACIDS, MINERAL.—Chalk, magnesia (plaster off wall in emergency), solution carbonate of soda, emollient drinks, fixed oils.

ACID, CARBOLIC.—Any soluble sulphate, such as magnesia.

ACID, HYDROCYANIC.—Fresh air and artificial respiration, with cold effusion. Ammonia by inhalation and intravenously in vein of leg.

ACONITE.—Emetics, stimulants, external and internal; keep up external heat, keep flat on back.

ANTIMONY TART.—Vegetable acids, such as tannic acid, catechu.

ARSENIC.—Freshly precipitated hydrated sesquioxide of iron made by adding magnesia to any iron solution.

ATROPIA.—Same as Belladonna.

BELLADONNA.—Emetics—mustard flour in water; give physostigma or pilocarpine; cold to head.

CANTHARIDES.—Emetics, emollient drinks, opiates by mouth and rectum, large draughts of water to flush kidneys.

CHLORINE WATER.—Albumen, white of egg, milk, flour.

CHLOROFORM.—Fresh air, artificial respiration (inclining head down, pull tongue forward), brandy and ammonia intravenously in leg, the HYPODERMIC injection of 15 m. tincture of digitalis and 1-60 of a grain of atropine.

COLCHICUM.—Emetics, followed by demulcent drinks. If coma be present brandy, ammonia, coffee. Opium in large dose. Keep up external heat.

CONIUM.—Emetics, followed by stimulants external and internal.

CORROSIVE SUBLIMATE.—Albumen, white of egg (4 gr. sublimate require white of one egg), flour, milk. Equal parts of lime water and milk. Emetics, or evacuate stomach by pump.

## Poisons and Antidotes.

COPPER SULPH.—Yellow prussiate of potash or soap.

CROTON OIL.—Emetics; wash out stomach, followed by mucilaginous fluids, containing opium.

DIGITALIS.—Recumbent posture after emetics. Emetics and opium; give tincture aconite.

ELATERIUM.—Demulcent drinks, enemata of opium, and external heat.

HYOSCYAMUS.—Stomach pump, emetics, stimulants external and internal, physostigma and pilocarpine.

ILLUMINATING GAS.—Hypodermic injections of nitro-glycerin are recommended by Kloman, of Baltimore.

IODINE.—Emetics and demulcent drinks, starch or flour diffused in water, opium and external heat.

LEAD SALTS.—Any soluble sulphate, either magnesia or soda, succeeded by emetics, and afterwards by opium and milk.

LOBELLA.—Stimulants externally and internally; external heat.

MORPHINE.—Same as opium.

NUX VOMICA.—30 grs. of chloral and 60 grs. of bromide of potash. Nitrite of amyli.

OPIUM.—Atropine hypodermically till respirations number 8 per minute. Stomach pump, stimulants, external and internal, brandy and coffee, cold affusion, ammonia to nostrils, galvanic shocks, compelling to move about, artificial respiration, electric brush. Permanganate of Potash.

OXALIC ACID.—Lime, not potash or soda.

PHOSPHORUS.—Sulphate of copper in emetic dose as chemical antidote. No oils. Emetics and purgatives.

POTASH AND SODA SALTS.—Dilute acetic acid, citric acid, lemon juice, fixed oils, demulcents, vinegar.

SILVER NITRATE.—Solution of common salt and demulcent drinks. Emetics.

STRAMONIUM.—Same as Belladonna.

STRYCHNINE.—Same as Nux Vomica.

TOBACCO.—Emetic, stimulants, external and internal, strychnine, external heat.

ZINC SALTS.—Carbonate of soda, emetics, warm demulcent drinks.



Things  
Easily forgotten.

No. of Watch Case.....  
No. of Works.....  
No. of Bank Book .....

No. of Bicycle .....

My Weight on .....lbs.  
Height.....  
Size of my Hat.....Gloves .....

" Hosiery .....Collar .....

" Cuffs.....Shoes.....  
" Drawers.....Shirt .....

This book belongs to

William Brewster  
145 Brattle St., Cambridge, Mass.

In case of accident notify

Established Feb. 35 Congress St.  
Boston, Mass.

Cambridge - Bethel.

Wea.

WED. JAN. 1, 1902

Ther.

8°

11°

Clear, cold, high N.W. wind

Spent most of day in Museum.  
In A.M. put down final touches to  
the Brown Cola. paper & then got it  
off to Nelson by express.  
In P.M. wrote a number of letters  
and with Gehring's help packed my  
trunk for a trip to Bethel to-morrow.  
My cough simply outrageous to-day.

Wea.

THURSDAY 2

Ther.

10°

A.M. clear; P.M. cloudy; calm

Took 9 a.m. train, Boston Div., for Bethel.  
Anne Army with me. C. down to Porter's inns.  
At Portland Anne & I hunted in station &  
then took a walk. Got to Bethel at 5 p.m.  
no snow whatever between Boston & Portland.  
The bare ground & the crowds visited at  
Yarmouth, less than a foot of snow at  
Bryant Pond & Bethel. Saw ② birds which  
looked like Pine Grosbeaks over W. Paris.  
Dr. Gehring met us with sleighs at 4 p.m.

Bethel, Maine.

Wea.

FRI. JAN. 3, 1902

Clear; strong N.W. wind.

Ther.

$10^{\circ}$

$24^{\circ}$

Mrs. & Dr. Gehring, Miss Elsie Weitz, Anna & I walked on snow shoes through woods below house, 9-10.30 A.M. Air soft & dry. Therm 23° - bare with snow. Snow above ground with icy crust. (3) Chickadees & (22) Redpolls feeding in gray birch over table. Downy Woodpecker in orchard near house. Dr. P. M. Doctor & I walked to village collecting on hotel & Ceylon Room's. Wind colder with violent wind. Had a full treatment at 3.30 P.M.

Wea.

SATURDAY 4

Ther.

$-6^{\circ}$   
+  $6^{\circ}$

Clear & cold with strong N.W. wind.

In A.M. (10-12) the Doctor & I went to the Glen Woods going over all our old ground. Saw a good many birds & heard 2 Red Squirrels. There were countless Rabbit tracks, one Fox track, many tracks of mice & squirrels, very many Partridge tracks & one singular track new to us both & like this.  is one hand & one foot away across in advance of the other. The animal was apparently a hen. The foot prints were as large as a blunkey.

Spent P.M. in house having a treatment  
3.30 - 4.30 P.M.

Wea.

SUN. JAN. 5, 1902

Ther.

$16^{\circ}$

Sunny with drifting clouds & high N. wind.

The Doctor, Anna Albany & I were out from 10 to 12.30 A.M. We crossed the field on snow shoes & striking the road road followed it as far as the logging camps. The air was moist & we sat on a woodpile in the sun for 15 min. Heard a Crossbill sing & saw a pair of Pine Grosbeaks, a Redpoll, Towhee & other interesting birds. I have written out the experience in full for my journal.

Wea.

MONDAY 6

Ther.

$20^{\circ}$

$31^{\circ}$

Cloudy with light S. wind.

In the forenoon the Doctor & I were out for about an hour on snow shoes. We traversed all the paths in the woods below the house & followed up the course of the mill brook into an old timber block pile swamp. Saw 4 Chickadees & a flock of about 20 Redpolls. Heard a Pine Grosbeak high in an evergreen. Found at least 2 different Partridge tracks.

Bethel - Cambridge.

|      |                    |       |
|------|--------------------|-------|
| Wea. | TUES. JAN. 7, 1902 | Ther. |
|------|--------------------|-------|

Snowing most of day, at no time heavily, less than 2 in falling. W. S. S.  
<sup>16°</sup>  
<sup>24°</sup>

Spent a.m. with Dr. S. in woods below house cutting down small trees. Saw a Pine Grosbeak & a pair of Arctic Thrushes. In P.M. the Doctor, Anna A. & I went on snow shoes through the woods. Saw ⑫ Black-cap Chickadees, 1 Hudsonian Chickadee & 2 Canada Jays all in one place. Started a Partridge. Heard Kinglets

|      |                    |       |
|------|--------------------|-------|
| Wea. | THUR. JAN. 9, 1902 | Ther. |
|------|--------------------|-------|

Clear, mild, dead calm.

Left Bethel at 8.45 A.M.

Saw white, rock & bear oaks as well as pitch pine in woods near Oxford, Main. Reached Portland at 11.20, crossed the city in an electric car & arrived at South Station. Took 12.45 train over Boston & Maine for Boston. Country covered to depth of about 4 in. with snow & good sledding everywhere. Gilbre were up in Boston & C. on Parker.

|      |             |       |
|------|-------------|-------|
| Wea. | WEDNESDAY 8 | Ther. |
|------|-------------|-------|

Precisely like that of yesterday.  
<sup>15°</sup>  
<sup>25°</sup>

Dr. Gehring & I spent the forenoon in woods below house cutting down small trees. A Red Squirrel was sneaking near us but no birds of any kind were seen or heard.

In the afternoon Miss Amoretta Mueller, Miss Elsie Weston, and Miss Bertha Hartman put on their party dresses and the Doctor & I photographed them in a group in the parlor.

|      |           |       |
|------|-----------|-------|
| Wea. | FRIDAY 10 | Ther. |
|------|-----------|-------|

Cloudy with fine rain.

Spent most of day in museum writing letters. In P.M. walked to Fresh Pond with C. Saw ③ Golden Orioles in an apple orchard near the Gran. farm.

| Wea.   | SAT. JAN. 11, 1902 | Ther. | Wea.   | MON. JAN. 13, 1902 | Ther. |
|--|--------------------|-------|--|--------------------|-------|
|  |                    | 22°   |  |                    | 14°   |
| A cloudy & cold. Fine rain began<br>feeling after dark changing to snow<br>at 9 P.M.   |                    | 40°   | Clear with fresh N.W. wind.  |                    | 26°   |
| <u>Merula migratoria</u> G.A. Thompson 100 at Harvey Park  |                    |       | <u>Cathartes f. americana</u> - one on Dowell St.                                      |                    |       |
| I spent most of day in museum writing. I<br>have begun an article for Bird book on the<br>birds of our first winter visitors.  |                    |       | <u>Pavo atricristatus</u> " in Garden  |                    |       |
| C. & I walked to Botanic Gardens just<br>after dinner. Many flowers in bloom. Then<br>threw Scudder's disk at 9.30 P.M.  |                    |       | <u>Dryobates p. pubescens</u> " at seat in elm.  |                    |       |
| I made a short walk on the always<br>interesting.  |                    |       |  |                    |       |
| Wea.   | SUNDAY 12          | Ther. | Wea.   | TUESDAY 14         | Ther. |
|  |                    | 26°   |  |                    | 10°   |
| Partly cloudy. Strong W. wind.<br>About 7 inches of snow fell last night. Early<br>this morning the trees were dense with it,<br>most exquisite snow foliage but the wind<br>soon blew it all off. |                    |       | Clear & crisp with little wind.  |                    | 23    |
| Golden-ant Kingbird found in the Garden<br>Chickadee.  | " " "              |       | Worked on the Black Duck article<br>all the forenoon & part of the<br>afternoon, also. |                    |       |
| Downy - one or two in elm<br>Crows - " in the lawns  |                    |       |  |                    |       |
| Robin - singer well heard over garden.<br>Went to church with C. at 7.30. Collected<br>at City Hospital. Many birds singing a. m.<br>40 Robins. Seen in favorite places by<br>J. T. Nichols        |                    |       |  |                    |       |

| Wea.                       | WED. JAN. 15, 1902 | Ther.        |
|----------------------------|--------------------|--------------|
| A. M. Sunny; P. M. cloudy. |                    | $16^{\circ}$ |
|                            |                    | $38^{\circ}$ |

Wrote for a couple of hours in the forenoon & then went to Boston, received an offer at 12, dined with Brewster, Met C. at South Union Station at 2.20 and took train to Weston. Called on Mrs. Mr. Fobes & saw her, Miss Edith, & Florence Emerson. Spent a long time in junction & winter garden. Walked both ways. Crows flying about everywhere now. Some no other birds. Got home at 6.30 P.M.

| Wea. | THURSDAY 16 | Ther.        |
|------|-------------|--------------|
|      |             | $18^{\circ}$ |
|      |             | $38^{\circ}$ |

Clear & warm.

Spent whole day in museum writing. My big hand grew sore after the long walk yesterday & is troubling me rather badly again.

The "We Dine" Club met at Rand's this evening. Walton & I were soon in a carriage. We had a fine dinner.

Professor Alpheus Hyatt died suddenly, of apoplexy in Harvard Square last evening.

| Wea. | FRI. JAN. 17, 1902 | Ther.        |
|------|--------------------|--------------|
|      |                    | $16^{\circ}$ |
|      |                    | $24^{\circ}$ |

Cloudless with little wind.

Parns atricapillus. Heard in Mr. Garden. Spent whole day in museum working on Black Duck article. Mr. James Hayward came to see me in the evening.

| Wea. | SATURDAY 18 | Ther. |
|------|-------------|-------|
|------|-------------|-------|

Clear & calm.

Regulus satrapa. Heard in Hubbard Park

Spent forenoon in museum working on the Black Duck paper. At 2 P.M. C. & I went to Hyatt's funeral at Agassiz Chapel. The church was well filled. Among the pall bearers were J. B. Thayer, Edwin Abbott, Morse, Putnam Shaler, S. Henshaw,

| Wea.                       | SUN. JAN. 19, 1902 | Ther.        | Wea.               | TUES. JAN. 21, 1902 | Ther. |
|----------------------------|--------------------|--------------|--------------------|---------------------|-------|
|                            |                    | $30^{\circ}$ |                    |                     |       |
| Clear with light W. winds. |                    | $38^{\circ}$ | Cloudy, calm, mild |                     |       |

Crows calling in our couriers at sunset  
Spent all morning letters. Miss. Chin &  
Stone came to dinner after we were  
to Museum and looked over photographs.  
C. kept her room all day having a  
bad cold. We read to each other in  
the evening.

| Wea.                               | MONDAY 20 | Ther.        |
|------------------------------------|-----------|--------------|
|                                    |           | $9^{\circ}$  |
| Brilliantly clear with little wind |           | $28^{\circ}$ |

Wrote all a.m.  
At 2 P.M. down town to Booksellers.  
Walked thence to Museum where I saw  
Fenton, Haworth, Ba. & T. Done before  
retired.

| Wea. | WEDNESDAY 22 | Ther. |
|------|--------------|-------|
|------|--------------|-------|

$36^{\circ}$   
Cloudy with a fine, drizzling rain.

Wrote for an hour in the morning and then went to Boston. Spent about half an hour at one office & then dined with Leaman at Fellini. Afterwards had my hair cut & looked at a lot of old furniture on Boylston St. Next consulted Dr. Leaman & tickets about a person I saw on my ride. Then called on Professor [unclear] who I think is a  $\frac{1}{2}$  to  $\frac{2}{3}$  kiff taller & more robust than [unclear] by a trifle. Between St. Got home at 7. 30 P.M. Very rainy & cold as was the weather around. Had a nice walk down the way.

| Wea.  | THUR. JAN. 23, 1902 | Ther. |
|---|---------------------|-------|
|   |                     | 35°   |
| Clear & mild with light N.W. wind.  | 44°                 |       |
| now melting, gutters running with water, sky<br>filled with white cloud masses, a spring-like<br>look to the light & a spring quality in the air. |                     |       |

Rugby School. One in the Garden.

Spent most of day in Museum writing.  
C. & I walked up Braille St. to an  
empty place after lunch. Anna Army  
returned from Belvoir.

| Wea.                                    | FRIDAY 24 | Ther. |
|---|-----------|-------|
| Sunny but hazy                          |           | 26    |
| ⑥ Gray Squirrels Together in the Garden |           |       |

Wrote all the forenoon & went  
of the afternoon, also, chipping  
on notes relating to some Col. birds.  
Walked to Mr. Ashton's for a  
lunch. C had a headache & kept  
her room all day. Frank, Harry  
& Morgan dined with us. Morgan  
afterwards went to a party & Frank  
& I talked & discussed through the evening.

Wea. SAT. JAN. 25, 1902 Ther.  
Clear, calm, not cold. 20°  
  
Wrote from 9 to 11 a.m. when  
Mrs. W. H. Ticks, her daughter  
Miss Edith, her sister Miss Ellen Emerson  
& living daughters arrived to an-  
other convalescence. At lunch they were  
joined by Mrs. Hager, Mary Grinnell,  
Edmund Emerson & Mrs. Aling. We  
had a fine talk, the last of our guests  
departed at 4 P.M. upon which I got  
in two more hours at my desk.

| Wea.   | SUNDAY 26 | Ther. |
|--|-----------|-------|
|  |           | 20°   |
| Cloudy, with light snowfall<br>at evening. Wind S.E. |           | 40°.  |

Mesula migrationis (250+) Finsch (Basilis)  
Clangula americana (40) Harvard Brig.

Spent A.M. writing letters. G. & I  
dined together alone. In P.M. we went  
to Boston & called on the Stones. They  
were out. We were invited to the Museum.  
After this we separated & I drove on  
home with Frank Murphy. I called on  
the Almys in the evening.

Wea.

MON. JAN. 27, 1902

Ther.

Wea.

WED. JAN. 29, 1902

Ther.

Cloudy, then cloudy morning  
rainy.

Regulus satrapa - one in garden  
Cotopaxia auratus " " "  
Bombycilla garrulus. Flock flying over ..

Called on Dr. Worcester at 8.45 a.m.  
to consult with him about W. W. Lawson  
who is negotiating for the Wood farm at  
W. Bedford to be used as a piggery.  
Spent remainder of day on architecture  
to Dower Colln. Rep. The Spelmans called  
this evening.

Wea.

TUESDAY 28

Ther.

14°

20°

Cloudless with N.W. wind - a  
rather cold, raw day.

Parus atricapillus - one in the garden.

Spent most of the day in the  
museum working on illustrations &  
Dower Colln. Rep. Took a solitary  
walk to Elmwood just after  
lunch.

Wea.

WED. JAN. 29, 1902

Ther.

10°

20°

Cloudy & intensely chilly;  
in fact the most disagreeable day of  
the winter thus far.

Parus atricapillus - One in garden.

Worked on Dower Colln. Rep'd until 11.30  
& then went to Boston. Dined with Alexander  
at Teller's. After dinner we went to the  
Safety Vault, with Worcester & checked off  
the Estate Jeannette found everything right.  
After this called on Mrs. B. H. Ladd Jr.  
Frost Poole, Mr. Jorga, Mr. Stein & Harry  
Spelman about the Lawson piggery. The horses  
looked rather dark to me.

Wea.

THURSDAY 30

Ther.

12°

Cloudy with a light snow fall 24°  
last night & a dust of snow falling  
most of the forenoon.

To Museum Comp. Zoölogy at 10 a.m.  
to meeting of Dr. Cheever Committee.  
Both he & Dr. Blodell present. We were  
in Denmark room & also went over  
the Museum.

I hurried out home & spent  
the afternoon writing on the Dower  
Colln. paper.

Wea.

FRI. JAN. 31, 1902

Cloudy &amp; cold

Ther.

12°

Wea.

SUN. FEB. 2, 1902

Ther.

Cloudy with steady rain which  $40^{\circ}$  removed most of the snow that fell last night. A crow coming in the bushes.

My cold much better but C.'s rheumatism worse. We spent the afternoon in the room reading Scudder's "Down East". I wrote letters in the forenoon. No one came to the house except Bixby who dropped in at 5 o'clock this evening. The ground is still thickly covered with snow & ice but the streets are bare.

Wea.

SAT. FEB. 1

Ther.

14°

Wea.

MONDAY 3

Ther.

Cloudy with steady rain beginning about dark & changing to snow later.

I was to have gone to the farm this afternoon to spend Sunday with Attell Thayer but a heavy cold & a sore throat laid me low. I managed to work through the day, however, & got on well with the introduction to "Down East". Birds. Mrs. John Elliott called in a. m. to borrow some Warblers for a third Audubon Calendar.

| Wea.   | TUES. FEB. 4, 1902 | Ther. | Wea.  | THUR. FEB. 6, 1902 | Ther. |
|--|--------------------|-------|---|--------------------|-------|
|  |                    | 14°   |   |                    | 12°   |
| A. M. clear & calm. P. M. cloudy 28° with a light dose of snow on evening -  |                    |       | Clear with light W. wind  |                    | 26°   |
| 7: Mr. Chapman arrived just before noon to stay until Thursday. He desires to begin at the Downers, Conn., to-morrow night or Newlon. We spent the whole afternoon talking. I have a tremendous backlog of work up now.  |                    |       | No birds except 1 Chickadee in Garden.  |                    |       |
| Wea.   | WEDNESDAY 5        | Ther. | Wea.  | FRIDAY 7           | Ther. |
|  |                    | 12°   |   |                    | 14°   |
| Clear with light N. W. wind.   | 25°                |       | Clear with almost no wind.  | 34°                |       |
| Spent A. M. working on introduction to Downers Col. paper. Just after lunch Chapman & I walked to Elmwood. Saw a Brown Creeper & a flock of 15 Cedar Birds, the latter in Mr. Richardson's grounds where they were eating red oak berries. Chapman & I talked the rest of the afternoon. He left at Newton in the evening. |                    |       | Worked all the morning on the Downers Col. paper. Nathan Bangs & J. L. Brewster hunted with me after lunch Bangs & I began to hunt at birds, keeping it up until the light failed. I gun him about a dozen of goshawks down Col. skins. |                    |       |

| Wea.   | SAT. FEB. 8, 1902 | Ther.      | Wea.   | MON. FEB. 10, 1902 | Ther.      |
|--|-------------------|------------|--|--------------------|------------|
|  |                   | 16°<br>25° |  |                    | 20°<br>36° |
| Sunny but hazy. A blizzard crept<br>in from the N.W. wind & clouds<br>of dust from the bare frozen shrubs. |                   |            | Clear with light W. wind<br>The ground continues bare & the<br>western fair. The shrubs are brittle,<br>dry. |                    |            |

Spent the entire day in the museum.  
Worked on introduction to some Cola.  
in A.M. on Black Duck paper or  
P.M. No' collars.

*Amphelis cedrorum* (15) eating the ash  
berries in Will Russell's front Brookside  
Cathedral - one in Nichols house Christmas  
walked up Brookside St. to Elmwood  
just after lunch. Spent rest of  
day in museum working on  
some Cola. paper.

| Wea.                      | SUNDAY 9 | Ther.      | Wea.                     | TUESDAY 11 | Ther.      |
|---------------------------|----------|------------|--------------------------|------------|------------|
|                           |          | 20°<br>37° |                          |            | 18°<br>26° |
| Clear with fresh W. wind. |          |            | Clear with light W. wind |            |            |

*Amphelis cedrorum* (12) in the garden  
eating cedar berries & snow (on the ground).

Spent A.M. writing letters.  
Will & Alice Stone dined with us &  
spent P.M. C. came down stairs to  
dinner for the first time in over a week.  
My eyes are nearly well again.

*Amphelis cedrorum* (15) in Russell  
paper on Brookside Street.

Walked to Elmwood with C.  
just after lunch. Spent  
remainder of day in  
some Cola. paper.

| Wea.   | WED. FEB. 12, 1902 | Ther.               | Wea.  | FRI. FEB. 14, 1902 | Ther.       |                     |
|--|--------------------|---------------------|---|--------------------|-------------|---------------------|
| Clear & cloudless. A fine day.   |                    | 12°<br>30°          | Clear, calm, spring-like  |                    | 22°<br>37°  |                     |
| Regulus satrapa - done. Phillips Place.  |                    |                     | A Chickadee & a ♀ downy in the Garden, a Cow on Brattle St.   |                    |             |                     |
| Walked to Mr. Hayes' with C. after breakfast. Went to Boston at noon & remained with him at Teller's. May & Harry Armytage arrived with us & spent the evening. I worked both morning & afternoon on the home Coln. paper.   |                    |                     | Spent most of day working over house colors & tile for the final addition to my porch. Also worked up a series of Bay-Bird Mason tiles finding that we have two forms in N. E. one undivided.   |                    |             |                     |
| Wea.   | THURSDAY 13        | Ther.<br>18°<br>32° | C. & I walked to Mr. Auburn at 8 A.M. at 9 P.M. as we were reading about G. R. S. telephoned that his uncle James B. Hayes had died recently. At 10 A.M. it was learned that family were at Auburn at 6:45 P.M. they came down at 8 o'clock Mrs. Hayes, Mrs. Dominie & baby                               | Wea.               | SATURDAY 15 | Ther.<br>20°<br>36° |
| Moving clear & cold. P.M. cloudy with N. E. wind & a slight snow fall (over half an inch). Regulus satrapa (3) on Brattle St. opposite Elmwood.  |                    |                     | Clear with light N. W. wind   |                    |             |                     |
| Walked to Mr. Auburn with C. just after breakfast. Worked on house colors, poster all day. Dined at Will Jeffries' (breakfast suspension party) in the evening. Frank & Anna Eustis, Bailey & his wife, Mrs. Hartwell & a her & Mrs. French made up the party. 400 francs at 60 P.M. |                    |                     | Two Chickadees in the Garden.   |                    |             |                     |
|  |                    |                     | Spent A. M. working on house colors. Mr. J. W. Long of Colesby called with his little girl to see the collection. At 1.30 P.M. Gilbert & I drove to Point Pond where we worked back. I exposed eight $6\frac{1}{2} \times 8\frac{1}{2}$ plates most of them in high damp. Saw a Swallow Spodon & 3 Geese. |                    |             |                     |
|  |                    |                     | C. went to Providence for the day.  |                    |             |                     |

|              |                    |              |       |                     |              |
|--------------|--------------------|--------------|-------|---------------------|--------------|
| Wea.         | SUN. FEB. 16, 1902 | Ther.        | Wea.  | TUES. FEB. 18, 1902 | Ther.        |
|              |                    | $16^{\circ}$ |       |                     | $28^{\circ}$ |
| Clear & calm |                    |              | Clear |                     | $35^{\circ}$ |

Ampelis cedarorum (30) eating buckthorn berries, Channing Smith place.

To St. Johns with C. at 8.30 a.m. After words called at the Thayers. Saw Mrs. Thayer, Miss Thayer, Dora, Jack & Sara, & Will & his wife. Walked to the Igloo with Will & Jack at 10 a.m. & saw the work. Spent remainder of a. m. writing letters Mr. Everett dined & spent P.M. Mr. Congdon, Miss Bridgeman & Miss Weston came.

|      |           |       |
|------|-----------|-------|
| Wea. | MONDAY 17 | Ther. |
|------|-----------|-------|

Heavy fall of damp snow - about 28°  
34°  
9 inches in all. Strong N. E. wind.

Wrote morning & afternoon. At 12 C. & I went to Mr. Thayer's funeral in Appleton Chapel. Stood at the funeral - thin. Chords nearly gone however. Mr. Congdon very faint & everything expression. Mr. Parker just in front of us.

|      |              |       |
|------|--------------|-------|
| Wea. | WEDNESDAY 19 | Ther. |
|------|--------------|-------|

Clear with strong cold N. wind 26°

Spent a. m. writing. Went to Boston at noon & dined with Beardsley at Faneuil's. After that bought an old Dutch spoon for C. at Karpmann's, called at Dr. Nichols's to have the plague shot on my wrist (it is very wet now) & made a call on Mr. Congdon's but found him & Roland out. Then came home & worked up Brattle St. with C.

Wea. THUR. FEB. 20, 1902

Clear, calm

Ther.  
15°  
37°

Spent a. m. on the Black Duck paper.

Went to Boston at 3.30 P.M. & met C. at Dr. Blakes. We called on Mrs. Will Affairs being bad Will. C. then came home. I went to the Athletics Club changed to a dress shirt road & worked for a couple of hours & then went to the Wadsworths at Lansdowne. Spent over three hours there.

Wea. FRIDAY 21

Cloudy, calm, light fall of snow  
Snow in P.M.

Regulus satrapes 1 in the Garden.  
Crowing Cuckoo in Linden at 6 a.m.  
Downy Woodpecker Nichols Rose Bush St.

Spent most of day working on the Black Duck paper finishing it.  
Walked to Mt. Auburn with C. just after lunch.

Robins, etc., were collected at 6 P.M. in the sun tulips hyacinths etc. which are fine now. C. read to me in the evening.

Ther.  
14°  
38°

Wea. SAT. FEB. 22, 1902

Ther.  
30°  
34°

Snowed all last night & more off to day, about 5 inches falling. It was damp & clingy to the trees.

The snow foliage was melting early this morning when I walked down to St. John's Church with C. Spent most of day on Madison working on embroidery. A form given Mr. Eelise called to return some birds & to borrow others. I wanted him to take care of them. C. read about from one of our Duke's books in wrong

Wea. SUNDAY 23

Ther.  
18°  
34°

Cloudless & windless.

*Parus ater* (2), Spruce St.  
" " flock, James (6) } Waverley  
*Carpodacus* Ad. *Cyanurus* 1, }  
Golfinches several }

To St. John's Church with C. at 8.30.  
" Waverley with Gibbons at 10.30 taking  
6 1/2 x 8 1/2 camera & exposing 10 plates in  
the bare Abijah woods at Waverley Oaks  
Will & Alice Stone dined with C. & me  
at 2 P.M. & spent afternoon.

Wea.

MON. FEB. 24, 1902

Ther.  
12°  
38°

Cloudy; no wind

Two Flickers in the Garden.

Spent entire day in the Museum working on an article on "Voices of the Fresh Pond Swamps" for Bird Bon. began it this morning & made fair progress. C. went to Mr. Gerrish's house with her Babb Class in P.M. Walter & I spent the evening at the Sportsmen's Exhibition in Boston.

Wea.

TUESDAY 25

Ther.  
30°  
42

Cloudy - Calm

2 Flickers in the Garden.

Took a walk up Brattle St. with C. just after breakfast. Spent remainder of day in the Museum writing. The Melvins & Walter Crane dined with us at 7 o'clock & spent the evening.

Wea.

WED. FEB. 26, 1902

Ther.  
37°

North-easterly rain storm lasting all day &amp; into the night.

Spent to early service on St. John's with C. The streets were rivers of slush & the sidewalks not much better. Spent the remainder of the day in the Museum working on the "Voices of the Fresh Pond Swamps". It a dreary Sunday. C. read to me in the evening.

Wea.

THURSDAY 27

Ther.  
38°  
50°A. M. Cloudy; P. M. Clear.  
No wind

Heard a Creeper & Chickadees at Elmwood. 2 Crows in Hubbard Park.

Walked to Mt. Auburn with C. just after breakfast. Worked on the Bird bone article all day or at least up to 4 P.M. when C. & I started for the Sportsmen's Show. We looked at the bird & mammals, had tea at 7 & went to the Swimming & diving entertainment afternoons.

# Cambridge - Concord.

Wea. FRI. FEB. 28, 1902 Ther. 34°

Cloudy - Calm - Chilly. Began raining at 7 P.M. & poured all night

Regulus satrapa, 1 in the Garden.

Went to early service at St. John's with C. Spent remainder of day writing on the "Voices". This article will be practically finished to-morrow.

C. & I dined with Will & Alice Stow in their studios. It rained so hard we had to come out in a carriage.

Wea. SAT. MARCH 1 Ther. 38° 56°

Clear, calm, springlike

(2) Crows at Elmwood  
Flicker 1<sup>st</sup> Cheney St.

C. & I walked to Mt. Auburn at 8.30. The morning simply perfect but no spring birds. Snow nearly all gone & walks bare again. Spent day in museum working on "Bird Birds" At 4 P.M. C. & I walked to North Avenue where I took electric to Arlington & 5.01 train there to Concord. Father's man met me at station & drove me to the farm. Channel of river open as far up & down as I could see. Much open water on meadows after winter

Wea. SUN. MARCH 2, 1902 Ther. Not taken

Heavy rain all day with S.E. wind about 40° wind, violent after noon & night

In the woods with Hansen 10 - 12 a.m. Heard Blue Jays, Crows & Chickadees & saw a Robin in Ball's Hill Swamp. Water very high & river & meadows opposite Ball's Hill covered by fields of drifting ice. Saw no water fowl. Heard a Partridge & down tracks of many others. One again after dinner for long on house being only a few sparrows. Worked late & G. M. & M. C. the on the vehicle for Bird book.

Wea. MONDAY 3 Ther. 47° max

Pretty cloudy with N.W. wind

Father man came at 7.30 & drove us to Concord. A Bluebird & Meadow Lark in full song near Lower Station & a Redwing flying over Mill Brook. Later saw 2 Redwings from car window flying by. Also a Grackle & a Wren & a Greenback singing from the water as the horizon passed.

Spent rest of day in museum working on the Bird book vehicle. Hansen and wife this evening returning back by boat on Holliston birds.

Wea.

TUES. MARCH 4, 1902

Ther.  
30°

Clear with strong N. W. wind.

(18) Robins vis. N. over Garden 7.30 a.m.

To early dinner at St. John's with C.,  
 at 8.30. Thought I heard a Geococcyx  
 in the Sweetpeas but probably mistaking  
 "finished the "Voices of the Fresh Pond  
 waters" this afternoon & waited at  
 Chapman's by 5 P.M. Also saw  
 notes on birds. Drove to Allin,  
 C., E.R.S., & I drove in town this eve.  
 & found Dr. Turness read Anthony & Chapman  
 at Chelcerry Hall.

Wea.

WEDNESDAY 5

Ther.

Heavy S.E. snow storm beginning 32 max  
 above noon (an unusual time) and  
 lasting into the night about 12 inches falling.  
 Misses Ainsworth (7) flying E. over Highland  
 St. at 7.30 a.m.

Wrote most of A. M. Went into  
 town at noon and dined with Beards  
 at Fellers. Met Gilbert at Amy &  
 Spelman's office at 2.30 & had a talk  
 about my dispute with Com. of British  
 concerning pine boards. Got home at 4.30  
 & spent evening with C.

Wea.

THUR. MARCH 6, 1902

Ther.  
28°

Cloudless - calm; good sleighing 36°

Spent most of day in Museum  
 working on bone Cola. paper & comparing  
 Specimens. Miss Bishop lunched with us  
 She & C. drove in town & Waller D. & I  
 went in by electric. We all met at  
 Chelcerry Hall where we heard Dr. Turness  
 read "As You Like It". At 5 P.M. Waller  
 & I went to Spelman's show & stayed  
 until 7.30 when we went to Athletic Club  
 & dined. Got home at 9.30.

Wea.

FRIDAY 7

Ther.

26°

Clear, calm

40

A Robin sitting in tree in Horsford's grounds  
 calling at 9 a.m.  
 (3) Cedar Birds in the Garden.

Spent A. M. working on bone Cola. paper.  
 Met C. in Boston at 5.30 & called on  
 Mr. Hubbard's wife. I then went to Frank  
 Morris'; - he & Margaret out. Then to  
 Athletic Club for an hour. Dined at 35½  
 Marlboro with Lucy & Harry Cunningham, Roland  
 & Mrs. Bennett. C. with us for first half hour  
 whom then drove out. I did not get home  
 until 11 P.M.

Cambridge - Concord.

Wea. SAT. MARCH 8, 1902 Ther.  
Cloudy with chill E. wind  
*not taken*  
Max. about 38°

Regulus satrapa 1 on Geiger St.

Spent most of day on Brown Color paper.  
Have had a tough time with the Passerini's  
but finished with them this forenoon,  
accepting A. n. sanctum as valid, rejecting  
A. n. holophrys as probably = guttatus.  
Took 5:01 train to Concord. Hansen met  
me at station with Harry. Roads deep  
in slush. Fields snow covered.

Wea. SUNDAY 9 Ther.  
*not taken*  
may about 35°

Cloudy with chill E. wind and steady  
rain from 9 a.m. to sunrise.

Gibson called me at 6 a.m. to see down  
Partridges "fuddling" in an apple tree near his farm.  
I watched them as numbers from the window of  
the E. Chamber of the house. There were 9 in the tree.  
Mr. Parker drove down from Chelmsford at 8 a.m.  
We spent about two hours planning work on  
the new building which he will begin this week.  
Gibson & I left the house at 3:15 P.M. &  
Hansen drove us to Concord where we took 4:10  
train for Cambridge.

Wea. MON. MARCH 10, 1902 Ther.  
*not taken*  
Brilliantly clear; light N.W. wind. Max about  
40°

Spent A. M. in museum writing up  
notes on Partridges seen breeding yesterday.  
Also wrote several letters.

Went to Harvard Sq. after lunch & had my  
hair cut. Then to North Station to meet  
Dr. & Mrs. Gehring who arrived at 4 P.M.  
We dined at 8 P.M., Mary Griswold &  
Roland Haywood in Gehring's C. & J. & Walter.  
Roland Dr. G. & I spent evening in museum.  
Prof. Brauman called.

Wea. TUESDAY 11 Ther.  
28°

Brilliantly clear, no wind, 48°

Alice & Will Stone & Anna Amy took  
breakfast with us at 8:30. At 10:30  
Dr. Gehring, Will Stone & I went in to the  
Sportsmen's Show. The Doctor & I came  
out at 1 P.M. & met Mrs. Gehring, C. &  
Walter at the Harvard Club where we had  
lunch. After that Mrs. G. & C. went in  
town to call on the Stones, the Doctor & I  
met Mrs. Cong. Zee, whom we saw in glass  
flowers & Dr. Woodward & the Mr. Bolonia  
Society. Dr. Gehring left us at 5:30 &  
was in the Whitney for the night.

Cambridge - Concord.

Wea. WED. MARCH 12, 1902

Cloudy with light S. wind

Robin in the Garden 7.30 a.m.

Bronzed Grackle (Tom Toller) on Bubble St

Walked to Mus. Comp. Zool. at 7 a.m.  
Saw Henshaw & advised him not to accept  
curatorship of Bos. Soc. which he is considering.  
Also saw Woodworth & Foxon, the latter  
is to sail for England on the 2<sup>nd</sup>/<sub>15</sub>.  
Met Deaderick & Army at Safety boats.  
Dined with family at Fillmore's home  
Troyan morning there. Called at Abbot's office  
at 2 P.M. & decided to settle with Dr. Clegg &  
the firm lumber. Joe born at 4.30 P.M.

Wea. THURSDAY 13

Ther.  
 $34^{\circ}$   
 $66^{\circ}$

Wea. FRI. MARCH 14, 1902

Clear with strong N. W. wind.  $42^{\circ}$

Worked on the Down Col. paper in A.M.  
Deaderick lunched with me. At 2.15  
I drove to Mus. Comp. Zool. where I saw  
Woodworth, Henshaw & Taxon. He discussed  
the publication of Birds Down Col. by Museum.  
At 4 P.M. Taxon & I took type & other  
names to Weller Library & compared it with  
and his plates in telephone file.  
At 5 P.M. I called on Pres. Eliot & the  
officer in charge to conduct with him about the  
publication of a Harvard Review. Dr. Woodworth  
called at 6 P.M. to talk on the same matter.

Wea.

SATURDAY 15

Ther.

$26^{\circ}$  min

Cloudy with chill east wind.

Parely cloudy; light S. wind.  $64^{\circ}$   
Brief shower in P.M. Snow all gone

Robins all over Cambridge. I am full day  
in the Garden at dinner. Then again  
calling & singing up & down in the Garden in A.M.  
A. 7.50 a.m. snowing in the Garden in A.M.  
Spent A.M. in Museum working on  
Down Col. paper. Drove to Mus. Comp. Zool.  
at 2.30 & spent P.M. there. Talked  
with Woodworth & Henshaw about first  
Down Col. paper. Had a long  
talk with Foxon & another with  
Dr. Mark about Aquaria.

Spent A.M. working on the Down Col.  
paper. Took 2.05 train for Concord.  
Henshaw met me at Newton. During  
drive to farm saw three Bluebirds.  
Parker his men were skinning sides  
of cow bear & bear house. A Bluebird  
singing near house. Walked about farm  
from 5 to 6.30 P.M. Dots of Green  
Robins, Bluebirds, Song Sparrows, Titmice,  
Red-wings & Rustins etc. all singing on  
temper. Snow almost wholly gone.

Wea.

SUN. MARCH 16, 1902

Ther.

Cloudy, mild; calm in A.M.  
light S.W. wind in P.M.

Went to Ball's Hill with Hannum  
in A.M. The birds sang continuously  
with noon. - Bluebirds & Song Sparrows  
with Red-wings along the river.  
Wrote note of P.M. I took a  
walk at evening. Through the  
woods east of the house  
& around the edges of Birch Field.

Wea.

MONDAY 17

Ther.

50°<sup>max</sup>

Cloudy with E. wind & light rain in A.M.  
I saw  
Song Sparrow ♂ \* in the garden in A.M.  
Bluebird one flying over " calling.  
Crows Blackbirds & Robins everywhere.  
4 yellow Crocuses & several Irises bloomed today.  
Left from house at 7.20, walked  
to Ball's Hill, turned across river  
& took 8.13 train to Cambridge.  
Walked through Common Street.  
Spent day in Museum visiting.  
Rode Bank Train, person on the Hall.  
Cloudy in the evening. 15 numbers found.

Wea.

TUES. MARCH 18, 1902

Ther.

32°

40°

Clear, wind N.W.

(2) Spinus tristis flying over the Garden  
1 Flicker \* in " "  
Grackles heard " "  
(30) ♂ Redwings in Gray's Woods.

Walked to Mt. Auburn with C. just  
after lunch. Mrs. Bates, her daughter,  
Miss Bishop, Miss Howard & Miss Minor  
dined with us this evening.

Wea.

WEDNESDAY 19

Ther.

30°

Stormy with chill N.E. wind. 36°  
Snowing at daybreak, getting on A.M.  
heavy snow in P.M.  
Wrote in Museum in A.M.  
Wore out boy on snow & dined  
at Fallmead with Brewster. It was  
a most depressingly gloomy day.  
C. & I went to walk around on  
St. Louis.

Concord

Wea. THUR. MARCH 20, 1902

Cloudy with E. wind  
and steady but light rain.

Ther.

28°

44°

Spent the entire day in the museum working on the dom. Cal. book. I have been examining specimens of both & changing or revising old text in many places. The "We Slim" Club met at Hotel Concord this evening. Bryson from big Chautauquah. Walked home.

Wea.

FRIDAY 21

A. M. cloudy; P. M. clear.

Ther.

38°

59° about

A Robin singing divinely in the windows this morning. Flock shooting.

Spent A. M. writing. Took 2.05 P. M. train to Concord. Gibbons met me at station. He wound across country on Ball's Hill & walking down to the farm. Strolled through orchard & Roger down on country. Heard a worklock - wing over the house. On Pickering Hill heard down a deer up the hillside of the schoolhouse this morning. Saw its tracks

Wea. SAT. MARCH 22, 1902

Ther.

not taken

Clear, wind N. A. u. cool; P. M. max about 70°  
Oppenly warm.

Spent most of A. M. at new farm building arranging the implements & my own men who were "cleaning up" Dr. P. M. Hansen & Howard cut down a lot of birches in the cedar pasture. This work kept me busy until noon went down & worked to Birch Field.

Got back in time to have a worklock wing in the pasture W. of the wood.

Wea.

SUNDAY 23

Ther.

not taken

Brightly clear with light N. wind max about 60°

Walked up the road to the Swift farm after breakfast. Country abu men birds. I never heard Bluebirds sing so before. Expected will soon be done but he did not appear.

In P. M. Gibbons & I worked in the Pulpit Rock woods "drapping" out a path.

Held a Great Horned Owl toward sun in hopes before sunset to the workmen used the horn after it.

J. W. Long & Henry - called in A. M.

Cambridge - Wolfeboro, N. H.

Wea. MON. MARCH 24, 1902 Ther.

A. M. clear, P.M. partly cloudy.  
Wind N.E.

Left the farm house at 7.15 & walked  
to Bell's Hill, Hadley on which I saw  
a heard down of Hairy Woodpeckers & several  
Red-wings by the river. As we were  
rowing across (11) Black Drills passed  
over high in air.

Reached Cambridge at 8 A.M. &  
spent day in Museum working on forms.  
Coln. Rep.

Wea. WED. MARCH 26, 1902 Ther.

29°

Brilliantly clear. Light E. wind. 46°.

Hepaticas in full bloom in the Garden.  
Grass on some of the lawns six inches  
long & almost ready to cut.

To St. Johns with C. at 8.30.  
Spent A.M. writing. Went to  
Mrs. Comp. Tool. in P.M. walking  
back. John T. Nichols, George Bowditch  
& Walter Downe drove with us & spent  
the evening.

Wea. TUESDAY 25 Ther.

Clear with light E. wind

34°

46°

Wea. THURSDAY 27 Ther.

A.M. clear. P.M. partly cloudy.  
Left Boston for Wolfeboro at 8.30.  
Leicester joined me at South Donawan.  
Saw no snow anywhere but ponds still  
frozen over north of Milton N.H.  
Dined at hotel at Wolfeboro &  
spent night at Prof. Lord's. Visited  
all the class rooms & dined with  
Leicester to the farm to see Hart & family.  
Country bare & brown he knew even on  
mountains. Roads dry & dusty in places.  
Even from dogs it is an unprecedentedly  
early spring here.

Spent the greater part of day  
in Museum working on Brown Cole  
report. Mr. Farley, Dr. Monk  
& Richard Sustis called in P.M.  
Went to carry Sevier at  
St. Johns with C.

# Wolfboro - Cambridge

Wea.

FRI. MARCH 28, 1902

Ther.

Cloudy with light rain in P.M.

Took a walk near Academy before breakfast. Country clear with Robins, Bluebirds & Song Sparrows. Heard a Meadow Lark & a Liner Sparrow. Boarded & I took 8.30 train for home. On reaching Boston I dined at Athene Club & went to Dr. Remond. Got home at 3 P.M. Saw Abby at 8 P.M. C. went to me afterwards.

Wea.

SATURDAY 29

Ther.

Cloudy with heavy rain all a.m.  
P.M. misty, strong S. W. wind.

Rained all A.M. Took 2.05 P.M. for Concord. Gilbert and I went on to W. Bedford. Boarded at Abby's & walked to farm where we are to spend Sunday. Worked at stent farm from 4 to 7 P.M. Then worked drying & two hours on pasture N. of road. Grass very green in places.

Wea.

SUN. MARCH 30, 1902

Ther.

Brilliantly clear, calm, very 70° max. warm.

Walked up the road to Singletree after breakfast. Drove to Concord on P. 30 telephone (a Walker, not C. at 10 o'clock to drive first to the Downing & then to the farm. Walked to Pulpit Rock before dinner in the oak woods afterwards. Drove C. to 4.10 train & was back home on station. He Home again at farm. Raymond Boston came down at 6 P.M. to have work done

Wea.

MONDAY 31

Ther.

Clear but windy & chilly.

Spent early morning on farm. Walker & I walked to Boston till 11 & took 12.30 train for Concord dep. I wrote in book P.M.

Wea.

TUES. APRIL 1, 1902

Ther.

Cloudy most of day. Strong  
N. W. wind.

Spent entire day in the  
garden working with Potey  
Sheehan & his men digging  
a lot of wild plants to  
send to Concord & moving  
a number of trees. Gefbau  
uncovered all the wild flower  
beds. The azaleas & hyacinths are  
about at their best now.

Wea.

WEDNESDAY 2

Ther.

Cloudy most of day with cool  
N. wind.

Spent afternoon in the  
garden with Potey Sheehan &  
his men moving trees &  
plants. Went into Boston in  
~~evening~~ & back to Concord  
10 a.m. & had dinner with  
Felted at Dr. Rand's. Dined  
with Scudder. Came out at  
3 p.m. & wrote for 2 hours.

Wea.

THUR. APRIL 3, 1902

Ther.

Bribrantly clear; light S. wind.

C. & I went to the dog show  
in the forenoon during afterwards  
at the North Union Station.  
She went out with me as far  
as Cambridge & I kept on to  
Concord.

Spent the afternoon in the  
woods planning for the work  
of the coming week.

Wea.

FRIDAY 4

Ther.

Early morning clear, calm & mild.  
Remainder of day cloudy with  
east wind.

Worked with Pot from 8 to 11 a.m.  
At 11.30 went to Concord by electric  
& met C., Miss Maria & Miss F. L. Munro  
Anderson, Walter, George & Mary Dunn  
to dinner at the R. W. Emerson's & then  
to the Cobine where we dined. Then  
walked to the farm. They all left  
to Concord at 3.45. I spent rest  
of P.M. planning

Wea.

SAT. APRIL 5, 1902

Cloudy most of day with  
strong, piercingly chilly N. E. wind.  
Snow from time this morning.

Spent day at farm plumbing  
a lot of pipes brought from  
Concord to Westbury, Stockbury,  
Westbury & Common bushes broken  
from a room in Bedford.  
Walked up & back.

Wea.

SUNDAY 6

Partly cloudy. Cool & warm  
at noon. Cool at evening.

In A. M. marked a lot of  
barebs that are to be used.  
Bombed about in woods all  
P. M. at no time getting further  
away than Davis's Hill. In  
fact spent most of day on  
Pine Ridge in Penn Park.  
J. W. Long called. Also had  
heavy cold took away my  
feeling comes from the boy.

Ther.

Wea.

MON. APRIL 7, 1902

Ther.

Cloudy with harsh E. wind.

Spent entire day near Bob's Hill.  
working with Hansen, Benson & Pat.  
In A. M. we moved a number of  
large larch trees in the opening just  
north of the swamp. In P. M.  
we finished this task & wood a  
very large hemlock on Humboldt Knob.  
The day was exceedingly gloomy &  
birds of all kinds were silent &  
retiring. It seemed in fact more like  
a November than an Open day.

Wea.

TUESDAY 8

Ther.

Cloudy with strong, cold N. E.  
wind and heavy rain beginning at 3 P.M.  
& lasting into the night.

Spent most of the day digging pines  
with Hansen, Benson & Pat - in A. M.  
in the opening between Pine & Davis's Hills.  
in P. M. (until the rain stopped us) in  
Brick Field. Got about 100 small white  
pines for Amy's house at Colvin & about  
60 little pines for Chudborn. The day  
was extremely raw & gloomy & the  
country seemed barren of all signs of

Wea.

WED. APRIL 9, 1902

Violent North-wester. Heavy rain falling all last night & up to noon to-day. Afternoon gloomy with dense mist.

Spent a.m. in the wood shed with Pat & Gilbert rearranging pretty much everything there.

At 3 p.m. went to the farm with Pat & dug about 70 little red cedars in the orchard. Heard a Dove singing in Pecan pines.

Ther.

Wea.

FRI. APRIL 11, 1902

Ther.

Cloudy most of the day with light rain in early morning. Wind W. N. W.

Spent day at farm. Moved all the small red pines in front of barn to nursery now in garden, dug a lot more in corner of woods near Mrs. Ritchens, set out some larches in flowering position & some hemlocks & red cedars in Birch Field. Walked up & back as usual.

Wea.

THURSDAY 10

Ther.

Wea.

SATURDAY 12

Ther.

Cloudy with cool N. E. wind & frequent light showers.

Spent the day at the farm. In the forenoon the men dug pines in Birch Field & I set out a number of small cedars there. In the afternoon we packed 1000 white pines for Albany, 1000 for Mrs. Dowell (of Clinton), a lot of larch pines & larches for Cheltonia & half dozen white pines for Miss Moore's garden.

Sunny but sky half-filled with rapidly moving cloud masses. High N. wind.

Spent day working with Hansen & Pat, the a.m. in Pine Park where we set out a dozen larches & moved a number of white pines the p.m. on Hemlock Knob where we put in a dozen small hemlocks bought of Mr. Bedford nursery & have selected a number of large ones. I also see out a great many small red cedars.

Wea

SUN. APRIL 13, 1902

Ther

Wea.

TUES. APRIL 15, 1902

Ther.

Clear with strong, cold N.W. wind.

Pine Warbler (2<sup>nd</sup>) arrived.

After breakfast walked to Davis's store with Gilbert who nixed down my plans for spring work. Returning met Dr. L. Garrett who had driven down from Concord to spend the day. We walked to the Boott Spring before dinner.

With Gilbert we returned to Andover  
& 4.10 P.M. train.

Wea.

MONDAY 14

Ther

Wea.

WEDNESDAY 16

Ther.

Partly cloudy. cool N.W. wind.

Spent a. m. with Waller & Peabody, Shattuck inspecting trees & shrubs in the Garden. Found many of them badly infested with Saw-Loe Scale & had the old cast off & another from tree at E. end of museum cut down.

O. Bangs called at 2.30 & Mr. A. Fraser at 4 while Roland Haywood appeared at 5.30.

Brimarily clear. Early morning cool, middle of day rather warm.

Spent 4. M. in museum skinning & listing skins that are to be taken to Washington.

Clear & cool.

C. & I left Boston by the Colonial Express at 9 a.m., & reached Washington at 10 P.M. Dr. Farlow on the train.

Vegetation no further advanced in Conn. than in Mass. & but little more at Philadelphia.

Went to Hotel Richmond where we are to spend the coming week. We have a suite of rooms on third floor.

# Washington

Wea

THUR. APRIL 17, 1902

Ther.

Clear & cool. Vegetation about 2 weeks ahead of that at home. Peach, cherry, pear, plum & may-wine trees in full bloom. Butterflies on 1/2 bag corn, on Nonesuch. met at 11 A.M. in Smithsonian gallery. Present Merriam, Allen, Dwight, Stone, Richmond & W. B.. Worked until 1 P.M. then brunch with members of National Academy by invitation D. G. Elliott. C. & I went around city in an electric cab & took P.M.

Wea

FRIDAY 18

Ther.

Clear & warm.

C. went to Baltimore for the day. She went to Smithsonian by electric cab with me on her way to depot. Allen, Merriam, Stone, Dwight, Richmond & I present at Committee meeting. Worked until 4 P.M. where I met C. at depot. We took electric to Arlington. It was beautiful & resplendent there. Heard Long Spoons, Carolina Wrens, a Kestrel & Baumia angustipetala in bloom next to me.

Wea.

SAT. APRIL 19, 1902

Ther.

Clear, calm, warm

Committee met at 9:30. C. drove over with me in electric cab. Same members present as yesterday. Merriam, Richmond Allen, Stone & I lunched at an oyster house on the Avenue.

C. & I went over to Soldiers' Home by electric cab in P.M. Heard a Meadow Lark, Brown Thrasher & Song Sparrows singing; also a Chipping Sparrow swooping with Purple Martins.

Wea.

SUNDAY 20

Ther.

Brilliantly clear, calm, warm. Dentaria laciniata in full bloom; new to me. To Cabin John Bridge by electric with C. 9:30 - 12 M. Saw lots of Buzzards, 3 Doves & 2 Carolina Chickadees. Heard a Cardinal & Carolina Wren.

Woods full of flowers: chiefly crocuses, saxifrage, hepaticas & blood root & blood violet. Streptopus in full bloom.

In P.M. C. & I called on the Drifters. They were out. I went along to the Merrisons where I saw C. Haze, Mrs., Dorothy & Juneide, Harry S. the grandson of Boston Hunt. In evening the Drifters called on C. & we

Wea.

MON. APRIL 21, 1902

Ther.

Clear & warm with light S.W. wind.

Commette met at 9.30. Dr. Wright left Washington early this morning & Stone by noon, train. The rest of us worked all day transcribing on the Avenue at an office before I lunched with Miller at hot mrs. & afterwards looked over his mammal collection. C. & I visited two antique furniture stores in late P.M.  
Chevy Snows arrived this evening.

Wea.

TUESDAY 22

Ther.

Clear & hot with light S. wind  $89^{\circ}$  max.

Called at Wright's this morning. Then to Smithsonian where Commette held its final session 9.30 A.M. to 4 P.M. Present Allen, Merriam, Ridgway, Richmond & W. B. T. With exception of Ridgway we all lunched together at a place where there are no winters.

Miss Swartz came from Baltimore. & spent night. She, C. & I saw Julia Marlowe this evening in "When Kingfisher was in Town"

Wea.

WED. APRIL 23, 1902

Ther.

Clear with light S. wind  $90^{\circ}$  (max)

After breakfast took cars to Wright's & paid for old furniture in full. Then by cab to Agricultural Dept. where I saw Merriam, Theo Palmer, Fisher & Osgood. Also Dr. Woodworth. Called on Dr. Howard & talked about mosquitoes. At 11 A.M. Oberholser & I went to Smithsonian where we found Ridgway & Richmond. Spent part of day then working up some Cola plants. C. & I with Swartz to day, Mrs. Swartz stayed on with her. Merriam called

Wea.

THURSDAY 24

Ther.

Clear & cooler with fresh N. wind.

C. left Washington at 10 A.M. for Phila. I followed by 12.15 Train & we came on to New York together going to the Sherman Square Hotel.

Before leaving Washington I called on Dr. Merriam. He is a bad wreck his face disfigured terribly by paralysis. Also saw Richmond, Oberholser & Miller again. After time in full bloom Washington to Phila., peach, pear & cherry trees from Phila. to New York.

New York - Cos Cob, Conn.

Wea.

FRI. APRIL 25, 1902

Ther.

Sunny but hazy in a. m. P.M.

Cloudy with rain at noon.

Visited Central Park in a. m. strolling about through the beautiful paths near the pond. Song Sparrows, thick throats, Robins & Grackles were common.

In P.M. about B.C. of Leinster road as a long coll. water delivered Kettell & Mr. Randall came.

George & Fatty Kettell dined with us at 6.30.

Wea

SATURDAY 26

Ther.

Sunny but hazy. Cool with S. wind.

Took C. into the Park in P.M.  
We left New York in P.M. the following the 3 o'clock train for Boston & I the 3.30 for Cos Cob to see Ernest J. Seton. He has a beautiful place a mile from station. He spent the day writing & on the woods. Hyles perfr., & common warblers. Thrushes, Robins, Cuckoo, Field Sparrows singing. A Partridge down.

Cos Cob — Cambridge.

Wea.

SUN. APRIL 27, 1902

Ther.

Cloudy & cold with high N.W. wind. Spent a. m. in Seton's woods. They are very beautiful & full of wild flowers. Claytonia carpets the ground. Saw blue cohosh, blood root, the big bellflower etc. La. Water thrushes numerous about the artificial pond singing finely. A pair of Buteo swainsoni at nest in full of big oak.

Took 12.20 train to New York & 3 P.M. train home to Boston working home at 9.30 P.M.

Wea

MONDAY 28

Ther

Clear & very warm 70°

Spent day in Museum working on Brown Cole. books adding & revising to include notes taken at Washington.

In late P.M. walked to Elmwood. A large colony of Grackles abounding there. A Hermit Thrush in one garden sang lots over at evening.

The wild gardens holding a bonanza Blood root, Claytonia, Squill's corn, Mertensia, Wild flowers, Tellima & others in full bloom.

Wea.

TUES. APRIL 29, 1902

Ther.

Clear &amp; warm.

To Mus. Comp. Zool. at 10 a.m.  
 Saw Woodworth & Bangs & with  
 them planned a lot of new cases for  
 the bird skins. They will cost \$25.00?  
 Bevender dined with G. & me  
 at 1.30. Wrote most of P.M.

Wea.

THUR. MAY 1, 1902

Ther.

Pretty cloudy with showers in A.M.  
 Cool with westerly winds.

Spent A.M. in Museum working  
 on Town Cola. paper. We closed the  
 house at 4 P.M. C. going to Am  
 Thores' to stay until Monday when  
 she moves to Lancaster, I to Concord  
 by 5:01 train. Found Pat & Gilbert  
 at cabin. Walked to Holden's this after  
 supper. Lots of birds here.

Wea.

WEDNESDAY 30

Ther.

Cloudy & raining steadily most  
 of the day.

I put in a good day's work on  
 the Town Cola. paper. In late  
 P.M. walked to Elmwood. A  
 number of Grackles there evidently  
 preparing to breed, a flourishing colony  
 in the Smith pens on Fayerweather St.  
 & one or two pairs in Norway spruces  
 on Highland St.

Wea.

FRIDAY 2

Ther.

Bitterly clear cool in early morn.  
 with light N. wind, calm & hot at noon,  
 cool E. wind in P.M.

Spent all day at farm working both  
 ways. Country still with birds. One  
 of my oak trees had a few blossoms  
 expended. Parker & two men at  
 work on horses for bars. All then  
 worked on cabin in P.M. Pat &  
 Hansen hauling brush & pine debris  
 with money. I roamed about in  
 Bobbi Hill region until sunset.

Wea.

SAT. MAY 3, 1902

Ther.

Cloudy. Clearing at 4 P.M. Light rain in early morn. Wind S. Cool.

Spent a.m. at farm transplanting various things in flower garden. Dined there. In P.M. Pat & Hansen brought down a number of large barberry bushes that they got at Quicks Rose month & we planted them, part on Hemlock Knob lot in Pine Park. Walked to Barrett Meadow after supper.

Wea.

SUNDAY 4

Ther.

A. M. Brilliantly clear; P.M. cloudy, light rain at eve. Wind S.E. Cool.

Walked to Barrett M. & Holden's Hill just after breakfast. Spent rest of a.m. & first half of P.M. writing letters. In late P.M. set out a lot of orange willow and plants on Pine Ridge.

Herbert Holden called at noon. Four other canoes, a boat & a steam launch passed.

Wea.

MON. MAY 5, 1902

Ther.

Heavy rain at daybreak. Most of day cloudy with cool W. wind. Evening calm & sultry.

Spent day on Pine Ridge cutting one a wood road from the balance of the Had Lot & "rowan with Honey" & the corn. Took all the brush out into Hansen's field.

Took a walk around Bell Hill down to the copper. Hyles walking tanninous skin. Amns: Vireo, Oliv. Back, Kingbird, Grosbeak & Solitary Vireo.

Wea.

TUESDAY 6

Ther.

Brilliantly clear. morning & evening cool, middle & day warm. Wind N. changing to S. at noon & to S. W. at 5 P.M.

Spent most of day on Pine Ridge. Four finished the new chestnut gate there. Hansen & Pat brought leaves from Davis's Hill to the leaf mold pit. We have used up nearly all the leaf mold we had years ago. Gilbert went to Cambridge in P.M. Birds trickling in from the South. Chestnut-sided Warblers arrived to-day.

Wea

WED. MAY 7, 1902

Ther.

Cloudy clearing in late P.M. Warm with S.W. wind, cool at evening with N.W. wind. Heavy rain last night.

To Pine Ridge directly after breakfast and for most of P.M. Worked on lower Cole paper from 9-12 a.m. Chiefly bearing the introduction. Worked to Pine Pass at noon. Arrived a Laramie & 2 Col. kids. Parker & Hansen made a bonfire & a fence gate. Pat & Hansen hunting bears fr. Davis' Hill Wea.

THURSDAY 8

Ther

Brilliantly clear with light N.W. wind; a perfect day warm at noon.

Spent day at farm working both ways. Parker & Hansen setting posts & fitting bars; Pat digging the holes; Hansen horowing. We caught 3 small rats in the corn cellar yesterday & 6 today. Chickens, Bobolinks & House Martins around.

I wrote most of A.M. & part of P.M. working on first two L.C. pages.

Wea.

FRI. MAY 9, 1902

Ther.

Clear with a living gale from N.W. As M. warm - P.M. cool - almost frosty at evening.

Spent day at farm working up (8-9 a.m.) & back (6-7 P.M.)

Wrote on L.C. paper most of A.M. & part of P.M. The carpenters finished their work to-day.

I tied up a lot of transplanted seed pines that were twisting in the wind. A big wood fire in direction of Farhorn.

Wea.

SATURDAY 10

Ther.

Clear & cold with high N.W. wind. Water in tanks at the farm & at West Bedford skinned one last night.

Spent day at Bell's Hill. Finished revise of Part I, Birds, Lower Cole, in A.M. Worked on posts & flower beds about cabin in P.M., Pat & Hansen helping me.

George V. Everett arrived by 5:30 train & spent ten nights. Before supper we walked to Holcomb Hill.

Wea.

SUN. MAY 11, 1902

Ther.

Brilliantly clear with light N.W. wind.  
Cool at morning & evening.

Mr. Bennett fell & died this morn. Then he took 8.13 train back to Boston. I drove to farm & espoused 8' x 7' slabs on apple trees in bloom. Walked back.

John T. Nichols & Harold Bowditch arrived at noon to spend night. In P.M. we walked to farm via Davis's Hill & back late, back via Benson's. Went to Baileys Meadow on way. Met George Hayes & Mrs Brown, Mr. Smith & Miss ... on Davis's Hill

Wea.

MONDAY 12

Ther.

A. M. clear & warm with light S.W. wind  
P.M. hazy with S.E. wind.

Nichols & Bowditch up & out at 5 a.m.  
After breakfast we walked to farm via Benson's & back via Davis's Hill  
Saw a lot of birds among them a  
Lazuli & a Bay breasted Warbler both ♀  
Nichols & Bowditch left at 10.30 & at  
12.30 Gilbert came to Cambridge &  
spent some of P.M. working

Wea.

TUES. MAY 13, 1902

Ther.

Brilliantly clear with fresh N.W. wind;  
very cool - almost frosty - at evening.

Walked to Baileys Meadow & around Ball's  
Hill just after breakfast. Work on revision of  
Loon Cole paper 9.30-12 a.m., 1-2.30 P.M.  
Hansen hunting hawks from Davis's Hill.  
Pat has been drinking since Sunday &  
has not worked this week.

At 6 P.M. Gilbert & I moved our things  
to the farm where we shall stay until  
next week.

Wea.

WEDNESDAY 14

Ther.

Brilliantly clear with light N.W. wind  
frost in early morn. Mid day warm.

Just after breakfast walked through  
Cedar Posture to Pulpit Rock woods.  
Worked on Loon Cole paper 9-12.30 a.m.  
2-3.30 P.M. At 5 P.M. started one  
again. Walked through Cedar Posture &  
Red Pine Cones to Blurbury Posture  
where I spent an hour or more working  
with hatchet & pruning shears, thinning  
the brush about valuable trees & shrubs.

Wea.

THUR. MAY 15, 1902

Ther.

Clear most of day. Light S.W. wind.  
Evening warm & extremely beautiful. Warm  
Walked through oak woods & Pulpit Rock  
woods after breakfast. Worked on home place  
from 9-12 a.m. Down to Angel's Mine  
after dinner. Work at 5 p.m. to  
Pulpit Rock woods again. Walked  
up road to spring place 6-8 p.m.  
Apple orchards still in bloom & very  
glorious. Some down over again cutting  
wild cherry trees along on roadside this evening  
~~I sent them above town for wine & more~~  
~~to Sam from the miners of course!~~

Wea.

FRIDAY 16

Ther.

Clear with light N wind. Early  
morning cool, middle of day warm.

Breakfasted at 6:30 & took 8:13  
train from W. Bedford to Cambridge where  
I spent the day in various visiting  
on the first trip to the home of John  
Deane at the Deanes' with Father &  
Maggie. Mr. & Dr. Godfrey out on their  
vacation. Returned to W. Bedford by 5:00  
p.m. Home. Adams Johnson & Miss White called  
at the cabin which I was there. Worked  
back to the farm after dinner.

Wea.

SAT. MAY 17, 1902

Ther.

Clear, much warmer. Wind N.E. N.W.

Spent day at farm. Walked to  
Pulpit Rock just after breakfast, wrote  
letters in forenoon, in late P.M.  
visited Mr. Blenbury Posture & Spine  
nearly two hours there (5:30-7:20)  
It was also with birds.  
Wrens were common & very troublesome  
in the woods.

Wea.

SUNDAY 18

Ther.

Clouds with light N.W. Slightly warmer  
than yesterday.

Spent about the orchard just after  
breakfast. A 3 P.M. down to the  
cabin and took the big boat up  
to the Bullwicks where Father and  
me with Charlie & down the boat  
to the farm. I spent the last hour  
of the day (6:30-7:30) in the Blenbury  
Posture. Birds strongly below this  
evening. Found one plant of Rhodora in  
flower in the pasture.

Wea.

MON. MAY 19, 1902

Ther.

Cloudy with drenching rain (the first for weeks) beginning at 10 a.m. & lasting into the night.

Drove to Concord in the "Democratic" & met C. who came from Lancaster by 10 a.m. train. I had intended rowing her down to the cabin but the rain decided us to drive direct to the farm where we spent the night. Attempted a walk up the road at 6 P.M. but heavy rain drove us back.

Wea.

TUESDAY 20

Ther.

Clear with light N.E. wind.

A lot of birds singing about farm house this morning. Hummer finishing nest in big elm. Night Hawk piping.

Drove to Baile Hill at 10 a.m. crossed river in boat, & took 12.10 train for Lancaster, C. with me.

In late P.M. C. & I walked down the lane past the Cemetery & out into the fields beyond. A Thrasher singing gloriously. A Bittern piping. Three Wood Thrushes singing

Wea.

WED. MAY 21, 1902

Ther.

### Lancaster

Brilliantly clear with light N.W. wind. Ice is said to have found here last night.

C. & I walked through the town this morning, entered Cemetery on return. Larches & Birch fading in Balsam fir 35 ft. up. Peeks in full bloom spreads everywhere over the ground. Wrote letters through forenoon. In P.M. went to village by electric & sent a telegram. Met Harrison on the street. Cleared out flower bed of weeds in late P.M.

Wea.

THURSDAY 22

Ther.

Clear & very warm.

C. & I went to Cemetery after breakfast. A Wilson's Black-cap & 2 Canadian Warblers in the Balsam fir.

Wrote letters in A.M., bird was again divine. At 5 P.M. C. & I drove over to the Thayer in the hotel carriage. Saw John & Mrs. Thayer & the children. Mrs. Thayer has a really beautiful flower garden.

Wea.

FRI. MAY 23, 1902

Ther.

Clear &amp; intensely warm.

90° max.

C. & I walked to the intervals near the bridge after breakfast & saw there under a big wisp of hay an horn. I wrote letters during an of forenoon.

The P. M. C. & I took electric car to South Worcester where we visited the greenhouse & bought geraniums, forget-me-nots & horseradish from a man just off shore of the canal.

Wea.

SATURDAY 24

Ther.

Clear & very warm. Heavy thunder shower 8-8:30 P.M.

Took 7:30 A.M. train for Cambridge. Had hair cut, called at S. Phillips Place & Dow Mrs. Hayes, Spent rest of a.m. at Museum. Dined with Helen & Morgan. Dug a lot of plants for Mrs. John Hayes, took 3:01 train for W. Bedford - Samson & Seton on it. We crossed river & spent night at cabin. Before supper worked in Holden's Hill.

Wea.

SUN. MAY 25, 1902

Ther.

Cloudy most of day & very huffy. Light rain often showered.

Seton & I spent whole a.m. in woods. Walked to Bick Island by river paths, across Green Field to the farm, back through oak woods & past Spring, then down Pine Ridge. Saw & heard many birds. After dinner Seton made some stiffened hollow limbs of willow, birch & paper bats. We took electric to Concord at 5 P.M. He went there by train to Boston, I by electric to Lancaster meeting Miss Holman at 8 P.M.

Wea.

MONDAY 26

Ther.

A.M. Dull with strong S.W. wind. P.M. cloudy with heavy thunder shower 5-6 o'clock

Spent day with John Hayes & Harrison searching for nests of Henderson's Sparrow in meadow on the Pine Farm. Found 4-5 Henderson's singing & found a ♀ bunting in walk down river bank not far from meadow. I watched a ♀ doves to nest in white birch on which she was working a lot when just before the shower. So had bad bad afternoon & went to bed at 7 P.M.

Wea.

TUES. MAY 27, 1902

Ther.

Wea.

THUR. MAY 29, 1902

Ther.

Cloudy with heavy rain in P.M.

C. & I walked up the Back Road towards John Shayer's as far as the brook immediately after breakfast.

Many birds but migration apparently at an end, there is a small patch of Blood Root & a large one of Bellows on this road.

Spent remainder of day in house writing up my journal.

Wea.

WEDNESDAY 28

Ther.

40° min

Cloudy & cold with high N.W. wind

C. & I worked this morning up the road to Poundkin Bridge just beyond it we saw perfectly fresh deer tracks in the road, those of a yearling buck I thought. I wrote all the rest of the day getting off a lot of letters. C. walked to the library in Pittsfield.

Wea.

THUR. MAY 29, 1902

Ther.

Clear & cool with high N.W. wind.

Off with John Shayer & Harriman for the day starting at 9.30.

Spent A.M. looking for Henslow's Sparrows nests in the swallows on the Parry farm. Started several birds without finding no nests. At noon drove to Pine Hill.

Harriman saw a pair of Cardinals.

Ones yesterday, but we could not find them. Retired to swallows in P.M. searched down over for Henslow's nests in vain

Wea.

FRIDAY 30

Ther.

Brilliantly clear with cool N. wind.

C. & I walked around the triangle just the Poor Farm after breakfast, out into the wide intervals fields in front of the house (where C. dug a lot of Rhubarb to take to Somerville & Concord) in the mid afternoon, to the clefts below the iron bridge just before sunset. It was a day to remember with brilliant sunbeams & rare lights & showers towards evening. I wrote two or three hours in the forenoon.

Wea.

SAT. MAY 31, 1902

Ther.

Clear & cool with fresh E. wind. 62° max.

Took 7.30 a.m. train for Concord.  
Went first to Mrs. Compton's, where I  
saw Woodworth, Henshaw & down 400  
Bornean skins just received in exch.  
from Dr. Finch of Linden.

Waited there to our pleasure. Dined  
with Walter, received four batches of frogs  
& Brown Cole paper set out Rhenish wood  
& Herkoh singing in the garden. To Concord  
in late P.M. meeting Roland on the train

Wea.

SUN. JUNE 1

Ther.

Brightly clear & warmer with fresh  
S.W. wind.

Roland & I went to farm in A.M.  
via Davis Hill & Birch Rd. returning  
at noon via Birch Field & Davis bottom.  
Met Joe Warren & his son on the farm.  
Also talked with two leaders who are  
looking at the draft farm - by agreement  
people.

Roland went back to Boston by 4:10  
P.M. train. I walked around Davis Hill  
afterwards. Fresh deer tracks within 20 yards  
of cabin at same height as this morning & P.M.

Wea.

MON. JUNE 2, 1902

Ther.

Clear & hot with strong S.W. wind.

At 8.30 took electric car to Concord  
where I met C. at 9 a.m., Walter & Marge  
Dean at 9.47, Mr. & Mrs. John E. Thayer  
at 10.05. I took the Thayers down river  
in the big boat, C. down the others in a canoe.  
We all called at the Mann & saw Mrs. Ames  
in dined at cabin Mrs. Emerson joining us there.  
At 2.30 P.M. we started for farm, all walking.  
All down back to Concord whence C. & I went  
to Lancaster by electric cars.

Wea.

TUESDAY 3

Ther.

Clear & hot with short, sharp thunder  
showers at 4 P.M.

Off with John Thayer & Harriman for  
the day. Spent A.M. in the old pine  
woods looking for Black Bear's nests.  
Birds plenty but no great variety.  
Saw a half dozen Red-eye war.  
Devoted P.M. to searching for Henshaw's  
Specimens nests on Parson's Farm. Heard  
4 males singing & found but small birds  
but found no nests of any kind.  
Dinner with John to George Johnson. Took 2 young  
flying squirrels from nest in which were

Wea.

WED. JUNE 4, 1902

Ther.

Clear. A. m. warm with S. W. wind  
P. m. cool with N. W. wind.

Walked to Canterbury & through town with C. after breakfast. Wrote letters in a.m. In P. m. John Thayer called & drove me over to his place, where we with Mrs. Thayer we walked to a ledge covered with hepaticas & maidens hair ferns. I never saw so much of either in E. Mass. before.

C. read to me in the evening.

Wea.

THURSDAY 5

Ther.

Clear & cool.

Corrected second batch of proofs of Lower Cal. paper in a.m. & took them to post office at noon At 2.30 John Thayer called & drove me to the Parker woods where we found Harriman. These woods are by far the finest I have seen in Danvers. The trees are upward of 100 years old. There are now hundreds & thousands of pines, chestnuts & oaks. Heard a D. catbird singing.

Wea.

FRI. JUNE 6, 1902

Ther.

Sunny but very hazy; warmer.

C. & I walked to the Cemetery just after breakfast. I spent the remainder of a.m. writing letters. We took the 3.10 P.M. train for Groton where we spent about an hour with George & Bessy Jefferson & their children. Heard a Lark & several Meadow Larks but only one Bobolink. He did not sing "green". Returned at 5 P.M.

Wea.

SATURDAY 7

Ther.

Cloudy and rather warm with light drizzle of rain in P. m.

Loring Simmons came from Cambridge this forenoon to spend the day with C. I left Lancaster by 3.10 P.M. train with John E. Thayer for Dublin N.H. We left the cars on E. Harrisville & were driven first to the Cabot's place (to deliver two of their main servants) & thence to George Thayer's where we are to spend Sunday & to be the host of a Pleasant周-end. Spent the evening talking with Thayer & his son, Fred.

Wea.

SUN. JUNE 8, 1902

Ther.

A. M. cloudy & sultry with heavy shower at noon.  
P. M. " clearing at sunset with strong, cool  
N. W. wind, actually "finger cold"  
At 10 A. M. the three Rogers (John, Abbott & Grand)  
and I strolled for an hour & half. We  
spent about 2 hours there & down the hills  
for their young. Returned to dinner at 1 P. M.  
at 3 P. M. walked to Joseph Smith's & saw  
his interesting Japanese & Iberia gardens.  
Later went up the mountain again rambling  
about through ground old woods. Sat up until  
11 P. M. talking.

Wea.

MONDAY 9

Ther.

Brievity clear with strong cold N. W. wind.

Left Rogers at 7.30 a. m. and drove to  
Marlboro (10 m.) through a beautiful country.  
Left train there to Peterborough & arrived in  
Clinton where John Rogers was and we  
& drove on to Mr. Lawrence.

At 5 P. M. C. & I strolled for a long  
walk. We took in Brook Road & having  
crossed the railroad found a  
wood road to a deserted farm on a hill  
where we went to the ledge where the  
meadow hair fern grows.

Wea.

TUES. JUNE 10, 1902

Ther.

Cloudy with light rain in P. M.

Off with Roger & Harrison for the  
day. In the pine grove near the Deborah  
Hedge took a nest & eggs of his Abdim's  
Night Heron. The Harlequin Sparrow was here  
& found the nest with 4 eggs of one of these  
birds, the first I have ever seen in Seton  
buried in the old pine woods & spent more  
of P. M. walking vicinity of Black Sparrow's nest.  
I found nest 4 eggs (grayish) hollow! C. Solitarius &  
streaked sitting here.

Wea.

WEDNESDAY 11

Ther.

A. M. clear; P. M. cloudy. Warm with S. E. wind

C. & I left Worcester by 8 a. m. electric car  
& arrived in Concord where C. met E. R. S. &  
went to Mass to meet Mr. Randell.  
I kept on to W. Bath. & saw Gibril at cabin.  
Walked to farm in P. M. C., E. R. S., Sally  
Ames, Johnny & Mr. Randell down down  
& I strolled down the road. Walked back  
to cabin in late P. M. Listened for  
"Kickers" after dark waiting in the  
Bramble bushes but heard nothing  
from a Bittern.

Wea.

THUR. JUNE 12, 1902

Ther.

Clear & Oppenly, warm with light S.W. wind.

Took 8.13 a.m. train for Cambridge.  
Received our plow on 9. 15. At 10.30  
went to Mrs. Comp. Zell's with Walter  
& showed them how the common mistakes  
in too much in tilling Brighton cultivation.  
He took it most coolly. Dined with  
John Thorpe & Dr. Northworth at Harvard Union.  
Returned to house at 3 P.M. dinner & went into  
C. to sleep in the room again at Harvard. Received  
address from C. & I took supper at the Army  
& slept in our own house

Wea.

FRIDAY 13

Ther.

Cloudy with heavy thunder storm  
at 6.20 a.m. & light rain later in the day.

C. went to Magnolia for laundry  
to a meeting of her Bee at Miss Aley's.  
I spent the day in the museum  
& garden writing letters & notes  
in my journal. Took lunch at  
the Deans with Walter, Mayie &  
Mrs. Greenough and tea at the  
Army's. C. & I slept in one  
house again.

Wea.

SAT. JUNE 14, 1902

Ther.

Brilliantly clear with light W. to S.E. wind

Spent most of a.m. in the garden.  
Walked down to Ann Rogers' with C.  
and saw Mrs. Thorpe, Mrs. Summers  
& Loring. Waited for an hour or two.  
Took 5.00 P.M. train from Arlington  
to W. Bedford.

Walked along the path to Bowditch Meadow  
after coffee. Very few mosquitoes.

Wea.

SUNDAY 15

Ther.

Cloudy with heavy shower at day break &  
light drizzling rain in P.M. Wind S.E.

Spent a.m. in new cabin writing  
up my journal. Also worked on it after dinner  
at 3. P.M. went to farm of way of Pin Ridge.  
Bushes & the barn, working at 6 P.M.  
via Birch Field & Davis's tree. Mosquitoes  
rather numerous & trou de souffre. Noted  
only bird seen or heard. Few people on  
river to-day. Picked 3 quarts strawberries  
at the farm.

Wea.

MON. JUNE 16, 1902

Ther.

Cloudy with light showers, very sultry.

To Cambridge by 8.13 a.m. train. Walked across through Duncan St. stopping at Botanic Garden to look over the outside plants. Many interesting things in flower there. A pair of Song Sparrows were singing. Spent most of day working on a lot of proofs of Dower Calm, paper that arrived Saturday. Lunched with Walter & Marge & dinner at 6.30 with them & Ruthven's boy, Charles. Gilbert & I spent night in our house.

Wea.

TUESDAY 17

Ther.

Brilliantly clear with violent N.W. wind. Went to Wolfboro to attend Trustees meeting. Estabrook left Boston with me in 9 a.m. judge & Mrs. Bell joined us at Gorham, J. K. Lord on the Wires. Ada Board came over for us in Steamer West Wind having the very rough a passage that she was afraid to return with us. We therefore took the big steamer to Washington & after going to Centre Harbor & Allow Bay came landed at Wolfboro at 4.45 P.M. Charles arrived at Hobbs-in-Lawn at 5. Geography exceeded 7.30 & P.M. & very few citizens supper at Hobbs-in-Lawn \$0 - 1.30. Show Trustees meeting 7-8.30. Munkland & Melvin absent.

Wea.

WED. JUNE 18, 1902

Ther.

Brilliantly clear with strong N.W. wind. Cool.

Left Wolfboro by 7.15 a.m. train & returned to Boston about reaching Cambridge on 10.45. Went directly out to our house & lunched with Walter & Marge. Took 5.01 train from Arlington to W. Bedford where Gilbert met me. Spent night at old cabin the new one being older with wood burning stoves. Walked along river bank & then Pin Park after supper

Wea.

THURSDAY 19

Ther.

Cloudy with heavy rain in P.M. clearing at sunset.

Took 9.30 Am. electric to Concord where I met C. & E. R. S. at about 10. We returned by electric to W. Bedford, where Ida rode down with Houston. We all dined at cabin & afterwards walked to farm in pouring rain. I drove Dr. R. S. to Concord on both P.M. & the returning by train to Cambridge.

C. & I spent night at farm house on Whippleville during the foggy weather outside but were in house.

Concord (the Farm) - Danvers

Wea.

FRI. JUNE 20, 1902

Ther.

Brilliantly clear with light N. wind.

C. & Ida preserving strawberries all day.  
I drove to Concord in A. M. hoping to  
meet Miss Savory & Miss Trosen there  
but they did not come. In late P.M.  
C. & took a drive with Stanley along the  
road towards Carlisle.

Danvers - Cambridge.

Wea.

SUN. JUNE 22, 1902

Ther.

Brilliantly clear & very cool with light  
N. W. wind.

C & I walked to the village just after  
breakfast (I rode back in car, then went  
to Clinton to church) and through Cemetery  
lane to the intervals by the river in  
late P.M. I spent greater part of  
day working on proofs of the Doric Cola.  
paper. John & Mrs. Thayer called in  
late P.M.

Wea.

SATURDAY 21

Ther.

Cloudy. with light rain in A. M. & a  
brief downpour in P. M.

C. & Ida drove to Concord at 9.30 and  
took 10 a. m. electric to Worcester.  
As I was writing in parlor at noon at 9.45 -  
A. M. the Acton powder mill blew up  
shaking the house violently & rattling the  
windows 20ft. This is the third explosion of  
this mill that has happened when I have been in  
Concord. Gilbert & I dined at Cobrin.

I took 5 P.M. electric for Concord & 5.34 P.M.  
train for Worcester.

Wea.

MONDAY 23

Ther.

Clear & cool with fresh N. W. wind.

Gifford arrived at 9.30 A. M. & packed  
my trunk & a lot of other things.  
He I returned to Cambridge by 3.15  
train driving over from Porter's &  
opening our horn when in open sight.  
I dined at the Deans with Walter & Maggie.  
C. & Ida are to follow us to Worcester  
for our stay at Worcester is over.

## Cambridge.

Wea.

TUES. JUNE 24, 1902

Ther.

## Cambridge - Glendale.

Wea.

THUR. JUNE 26, 1902

Ther.

Brilliantly clear & very cool with N.W. wind.

Spent most of day in museum writing up my journal & bird notes.

Went to Harvard Square in P.M.

Spent all the day with Major, Walter & Mrs. & Mr. Robbins of Phila. Took them through the Garden & into one house after lunch. Also took my box at Walter & Margins. C. arrived in late P.M. & we spent night in one house.

Wea.

WEDNESDAY 25

Ther.

Brilliantly clear; cool; wind N.W.

Attended commencement at Sanders Theatre with C. He had good seats & enjoyed it all. President Roosevelt then got his degree. Mr. John Hoy also had one. Excursion began about 10.30 & lasted until 12.45. I then went to College Yard & tried to get a dinner ticket but was too late. So I dined at our Rogers' with G., Mrs. Lummis, & Horry.

: Cloudy & cool with heavy rain in A.M.

C. & I were to have started for Glendale together this morning but she had a sharp attack of rheumatism during the night and we decided to wait until to-morrow. I spent the greater part of the day in the museum.

Wea.

FRIDAY 27

Ther.

Clear & cool with strong N.W. wind.

C. was but little better this morning and I went to Glendale alone - by the 10.45 B. & Q. train. Mrs. French met me at Stockbridge. On reaching the house I found Dan awaiting me. We took a short walk before dinner. The evening was beautiful & the birds singing freely. Standing in one place in the pasture I heard Herring, Wilson's, House Thrushes in S. of 'em down him.

# Glen dale

Wea.

SAT. JUNE 28, 1902

Ther.

Brilliantly clear. Warm at noon, cool in morning & evening.

In A.M. rambled alone through the woods near the house looking chiefly at plants. In P.M. Dan & I walked to Mc. Intosh's & thence to Knight's ice pond where we found a pair of Sturnus neglectus feeding six fledged young in a nest in a low gravel bank. They fed them with newts. Found a single plant of Saururus cernuus in full flower on the edge of a wood path. Knights field blue with Echinum bulgarum. Both plants new to me. A wonderful show of blooming mountain laurel along a brook.

Wea.

SUNDAY 29

Ther.

Pouring rain all day with strong E. wind.

Spent most of the day in the studio reading an interesting but to me depressing story by a French author describing life in the Latin Quarter of Paris.

late in P.M. Dan & I walked along the road to the Knight farm

# Glen dale - Cambridge.

Wea.

MON. JUNE 30, 1902

Ther.

Acar & dulling.

Dan & I drove to the Knight farm just after breakfast to get some plants of the water fagous (Echinum) for our to take home. I left Glendale by the 10.22 A.M. train & reached Boston about 3.45 P.M. Steed. Buttrick got on the train at Worcester. I had nothing to eat until 4 P.M. when I got dinner at Athlebi Club. On working home found C. nearly well again.

Wea.

TUES. JULY 1

Ther.

Cloudy with steady rain all day.

Spent entire day working on proofs of down Cola. paper with Walter. Walter, Marie, C. & I began letting our dinner & supper be delivered at Mrs. Horace Sudders on Brightham St. Mrs. Sudder & her daughter Miss Sylvia make up their present family. The foliage on our place is especially dense & beautiful this season despite the Typhus which continues to be very numerous just now.

Wea.

WED. JULY 2, 1902

Ther.

Brilliantly clear & rather warm with  
light N.W. wind.

Spent most of the day on the  
puffs of the Dove Tail paper  
In P.M. C. & I walked to the Botanic  
Garden where we found an interesting  
display of flowers. Many birds there.  
A Grosbeak singing gloriously.  
The Robins have found a rose in  
our bliss. I counted 127 coming into  
them this evening.

Wea.

THURSDAY 3

Ther.

Stormy with strong N.E. wind & heavy  
rain all day.

Began on the Cambridge Birds this  
morning.

Wea.

FRI. JULY 4, 1902

Ther.

Brilliantly clear with cool N.W. wind

Starting just after breakfast C. & I  
walked to Mt. Auburn where we spent  
nearly two hours rambling about or sitting  
under the shade of the trees. We visited  
the Dell and the long narrow pond where  
Swans & ducks used to be kept. I noted  
17 species of bird.

Dr. W.H. Simmons & Lucy called at about noon.

Wea.

SATURDAY 5

Ther.

Partly cloudy.

Spent a.m. writing in the museum.  
Dined at the Thayer's with C., Mrs. Thayer,  
Mrs. Simmons, Lucy, Miss Thayer &  
Dr. Simmons.

Lod. 5.0; P.M. train Abington to  
W. Bedford & spent night at the cabin.  
C. went to Providence by an afternoon  
train to visit her aunt Ruth.

Wea.

SUN. JULY 6, 1902

Ther.

A. M. Cloudy with light showers; P.M.  
clear & warm.

In a. u. transplanted a few mts  
of fern & some plants or vines such  
as goldenrod &c. We went to the  
beds above the station.

Spent a few hours in the p. d.  
about 2 hrs in the a. u. and then  
then a. u. and in the p. d.  
then a. u. and in the p. d.

Wea.

MONDAY 7

Ther.

Early morning cloudy fog, remainder  
of day clear.

Ran a. u. a. t. g. 1, 8. 13 a. u.  
train. Spent most of the morning  
in park. I f. C. station  
and a. u. and a. u.

Wea.

TUES. JULY 8, 1902

Ther.

Clear and very warm - the first  
uncomfortably warm day for weeks.

Spent a. u. in the p. d.  
also worked on the p. d. after  
noon. Some a. u. and a. u.

Wea.

WEDNESDAY 9

Ther.

Clear & oppressively warm.

Spent a. u. on a. u. of G. & Y.  
also worked on the p. d. after  
noon.

At S. P. C. & I took electric  
car to the bay and had pie-nic  
tea on a rock among the Wanchy  
oaks. Saw a flock of 9 Black Duck  
flying high towards Fresh Pond &  
S. Point also a Sp. . H. k.  
Many common birds flying among  
the w/2 Wood Thrushes.

Wea.

THUR. JULY 10, 1902

Ther.

A. M. Cloudy with heavy rain, clearing  
in P. M. cooler.

Spent A. M. working on the Birds  
of Cambridge adding notes & records  
& writing generally. I have not touched  
the collection as yet.  
In P. M. took Mrs. Almy to the  
Botanic Garden where we spent nearly  
two hours. The beauty & variety of the  
flowers are wonderful.

Wea.

FRIDAY 11

Ther.

Clear & cool with fresh N. W. wind.

To the Botanic Garden with C. at  
9 A. M. spending about two hours there.  
I am testing the new climbing flowers  
as they etc. in order to get some  
of them for a garden next year.

Worked on Cambridge Birds the  
remainder of the day.  
In P. M. C. had dinner. I was invited  
to afternoon tea at the home of Mrs.  
Mrs. Dr. Mrs. Mrs. Mrs. Mrs. Mrs. Mrs. Mrs.  
Mrs. Mrs. Mrs. Mrs. Mrs. Mrs. Mrs. Mrs. Mrs.

Wea.

SAT. JULY 12, 1902

Ther.

Clear & rather warm with light W. wind.

Worked on frag herbs down Col. paper  
in A. M.

Took 5:01 P. M. train from Arlington  
to W. Bedford & spent the night at  
the cabin. After supper worked to  
Pine Park & Pine Ridge. I heard a  
Catbird & a Grass Finch in full song.

Also heard a Mocking & Song Sparrows besides  
flocks of various birds. Orange ~~huckle~~ <sup>huckle</sup> bird  
in bloom. Huckleberries are known ~~affected~~ <sup>affected</sup> by  
a fungus which has turned them yellow.

Wea.

SUNDAY 13

Ther.

Cloudless with light S. W. wind. Warmer.

After Breakfast walked to Danforth  
and back across Pine Ridge &  
through Pine Park.

Stone Mr. Allen arrived at noon.

We started out as soon as dinner  
was over & worked to the farm by  
way of Davis's Hill, Prescott, &  
Beech Hill returning by way of Benson's.  
Allen left for home at 4:30 P. M.  
I walked in Holden's Hill after dinner  
a beautiful summer day. Warmed up  
on the fire.

Wea.

MON. JULY 14, 1902

Ther.

Clear with light W. wind  
intensely hot.

91°

Retuned to Cambridge by 8.13 A.M.  
train and spent day in Museum  
working on the Cambridge Birds.  
Purdie arrived in late P.M.  
bringing me two fine plants of  
*Osmunda cinnamomea* which he  
got in Stony Brook Reservation

Wea.

TUESDAY 15

Ther.

Clear and intensely hot with 90°  
Strong S. W. wind and violent  
Thunder shower at evening.

Spent day as usual working on  
the Cambridge birds. In late P.M.  
C. & I walk'd the ~~up~~ the <sup>down</sup> the hill  
which leads to the parkway along  
Charles River where we had  
Spotted Sandpipers.

Wea.

WED. JULY 16, 1902

Ther.

Briilliantly clear with cool N. W. wind.  
Evening very cool.

Spent the day working on the  
Cambridge Birds. In late P.M.  
C. & I took a short walk, through  
Hubbard Park to the parkway, on  
Charles River behind the Hospital where  
we heard a Spotted Sandpiper & some several  
Crows feeding on the muddy banks of the river.  
Mr. Burnet called at 7.30 & stayed mostly  
there hours.

Wea.

THURSDAY 17

Ther.

Partly cloudy with light thunder shower  
at 8 P.M. Warmer.

Spent AM. on Cambridge birds, P.M.  
on press of L.C. paper which came  
this even. Purdie arrived at 4 P.M.  
Bringing me down plants, among them a  
number of *Phragmites hexagyna* from  
the Stony Brook Reservation.

C. & E. R. S. were to ~~have~~ Scituate  
& Cohasset for the day driving with  
Dora Shayer & calling on Fred &  
Grace Waring in P.M.

Wea.

FRI. JULY 18, 1902

Ther.

Partly cloudy.

Spent entire day on proofs of  
L.C. paper, etc., and then went  
for Walter had gone to Metaphysics,  
with Major, for the day.

C. went to dinner at Mrs. Scudder's  
with me but we talked so long  
Kissie & I did not work. E.K.S.  
went over to Cambridge with us.  
The Robins were singing at the roost in  
our garden.

Wea.

SATURDAY 19

Ther.

Cloudy with repeated light showers

Spent entire day working on  
the Cambridge Birds. I am still  
revising old M.S. and have not  
yet begun my illustration.

C. is still laid up with her knee.  
In the evening I called on Sam  
Hoover. His son came in  
while I was there.

Wea.

SUN. JULY 20, 1902

Ther.

Cloudy with light fine rain through  
the day and a tremendous downpour  
the following night.

Gibson & I started for Concord by electric  
at 10 a.m. reaching the cabin about noon.  
Spent most of P.M. at farm, going &  
returning via Boston & Back Field.

A very noisy cloud at the camp across  
the river, singing, shouting, screaming, flying  
fish hawks etc all the afternoon.

Wea.

MONDAY 21

Ther.

Cloudy with occasional showers of fine rain

Returned to Cambridge by 8.13 A.M. train.  
Walked across from town Green passing  
through the Boston Garden where I saw  
the pair of Song Sparrows I heard the  
other day singing a few mins. Very few new  
flowers in bloom.

Spent day in museum working on  
the revision of the Cambridge Birds

North Scituate - Cambridge

Wea.

TUES. JULY 22, 1902

Ther.

Wea.

THUR. JULY 24, 1902

Ther.

Cloudy with several showers of fine rain.

Spent entire day in Museum working on Cambridge Birds. I am rewriting or expanding many of the Brachophis ch. C. still confined to her couch by inflammation. Daniel C. French arrived at 9.30 P.M. & spent the night.

The weather continues cool. I sleep under two blankets every evening & to day I had an open fire in my study.

Wea

WEDNESDAY 23

Ther.

Wea.

FRIDAY 25

Ther.

Sun shining brightly in early morning, & it brilliantly clear. but cool.

Went into Boston at 10.30. Called at office & sold my Bell Tel. rights. Also cut off my Am. Co. pass. Saw a Chelmsford specim of Black Bear at Clark's & called on the owner, Mr Avery Colby. Also saw at Clark's an Elkhorn corral. Right there where Hubbard has given me. Dined at Young's

& took 4.10 P.M. train for North Scituate where Chelmsford met me on station with a new gray horse. Drove through Scituate grounds & Cambridge College from at 6 P.M.

Cloudy most of day with cool E. wind.

Chelmsford & I spent a. m. in the woods cutting & thinning trees etc. Had Threshers driving, a Whistler bird caught in P.M. drove over to Scituate & called on Dora Hooper & Mabel Street in their new studio made from an old Barn. I took 6.04 P.M. train for Boston Had supper at Atholton Club & went home at 8.15 P.M.

Wea.

FRIDAY 25

Ther.

Cloudy with cool E. wind.

Spent most of day in Museum working on firef (Bell gallery & pog) of Down Col. paper. In late P.M. Lucy S. walked with me to Charles River Park, Elmwood & Gray's Woods. C. is much better & came down there this evening for an fresh time.

Wea.

SAT. JULY 26, 1902

Cloudy with cool E. wind.

There were gallops of frost came from the prairie last evening & Walker & I worked on them all day.

I went to the Sanderson's with me to dinner & supper. Late in P.M.

I took E. R. S. to the Botanic Garden. The Song Sparrow still there & still in full song.

Ther.

MON. JULY 28, 1902

Ther.

Wea.

MON. JULY 28, 1902

Ther.

Sunny (but rather hazy) rest of day.

To Sudbury with light S.W. wind.

I lost my usual morning train by waiting for Hansen who came late evidently in the hope of dodging me. Had a long talk with him. He promises to reform & I shall keep him.

Took electric to Cambridge working morning at 11.30. In late P.M. C. & I went to Payson Park where we saw a Sparrow Hawk & 30 Jays & heard a Meadow Lark singing, a dove whistling etc. while a Red-tail was circling. Also saw a Blue Jay & a Grackle.

Wea.

SUNDAY 27

Ther.

Cloudy and cool with light rain in P.M.

Wind East

Gelber & I started for Concord at 9.30 A.M. going by electric & reaching the cabin at 10.30.

Went to farm just after dinner & found Hansen asleep on floor in Bungalow.

He had been drinking & was hard to rouse.

I spent about 2 hours transplanting & weeding, & then returned to cabin in the rain.

Walked to Pine Ridge after supper.

Planted Lupine seeds in two places there & in two in Birch Field.

Wea.

TUESDAY 29

Ther.

A. M. Sunny but hazy; P.M. Cloudy with showers at evening. A sultry, humid day.

Spent A.M. working on Barn Coal roof. Also devoted some time to revising M.S. of Cambridge Birds.

C. & I worked to Fresh Pond in P.M. taking boat. Saw a Sparrow Hawk pursued by a Kite Bird fly over Brattle St. just this side of Somerville & a Kingfisher perched on the rail fence on the Pond. Found a green frog at Kingsley Park & a Heron in the fields opposite.

Wea.

WED. JULY 30, 1902

Ther.

Sunny but hazy. Warm.

Spent A.M. in the museum identifying a lot of skins sent by Dr. Klemm.

C. & I went to Norumbega Park, Auburndale, in P.M. Starting at 2 o'clock & getting back before 6. Saw a superb pair of Lions & of Bisons & some good Bears & Wolves besides three Dog-eared Bisons.

Wea.

THURSDAY 31

Ther.

Brightly clear with light W. wind. Warm.

Spent entire day in the museum working on various odd tasks & reading Cambridge Birds. C. took Lucy Jefferson & two of her boys to Norumbega Park.

Wea.

FRI. AUG. 1, 1902

Ther.

Partly cloudy & perhaps only dimly hazy, the sun shining dimly at intervals. A rather cool not hot day. Exposed six  $6\frac{1}{2} \times 8\frac{1}{2}$  cards in garden 7-7.30 a.m.

Spent A.M. in museum writing up my field notes for July.

Went to Mrs. Comp. Lowell in P.M. & saw Woodward, Henshaw & Miss Parker.

The only birds heard singing to day were a Robin, a Redstart & a Goldfinch. Walter & I counted the Robins that came to roost in our lilacs this evening. He made 215, I 230. Mrs. Scudder, Major D., Lucy, & C. were with us.

Wea.

SATURDAY 2

Ther.

Clear & warm with light W. wind  $80^{\circ}$  max.

Spent most of day in museum finishing my field notes for July and writing my annual report for the Museum Comp. Zoology.

C. went to E. Boston with Lucy to see Elsie & her baby.

We are still taking breakfast on the back porch & dinner & tea at the Scudders where Miss Jordan & Miss Drivock are to become your grandmas beginning with this evening.

Wea.

SUN. AUG. 3, 1902

Ther.

Clear & warm with light W. wind.

Gibbs & I went to Concord by electric starting at 9 a.m., reaching Ball's Hill at 10.45. Spent night at cabin. Went to farm in P.M. by way of Pine Ridge, returning via Brule Field & Davis Hill.

Hansen has done poorly the past week accomplishing little of importance. He says Sol has disappointed him. I had hoped they would have the Barre Meadow cut in this many courses on the farm in P.M. One noisy party above

Wea.

MONDAY 4

Ther.

<sup>very</sup>  
~~warm~~

A.M. sunny but hazy; P.M. cloudy with light thunder shower about 5 o'clock.

Spent an hour or so after breakfast working alone on the top & sides of Ball's Hill, waiting for Hansen. My train had gone when he finally came & I had to return to Cambridge by electric reaching the house about 11 a.m. Worked on the Cambridge Birds the remainder of the day.

Wea.

TUES. AUG. 5, 1902

Ther.

Cloudy & much cooler with light easterly wind.

Spent a.m. revising the Cambridge Birds In P.M. went with C. W. Swinhorn & others via Arlington.

Wea.

WEDNESDAY 6

Ther.

Cloudy with frequent heavy showers

Spent day in house working on Cambridge Birds. Gibbs went to Concord.

Wea.

THUR. AUG. 7, 1902

Ther.

Brightly clear with fresh N.W. wind.

Spent a.m. in museum selecting photographs to use as illustrations in the Cambridge list. I shall have Gilbert copy them.

Wrote to Mrs. Comp. Lowell. in P.M.  
Saw Mr. Agassiz, Dr. Woodward, Bushnell,  
Miss Parker. Mr. Agassiz promised to work  
in University Press protesting against delay in  
printing my paper. On the 20th book is due.  
Mr. Reed above. He definitely promises  
proof of all remaining M.S. on or before Aug. 18.

Wea.

FRIDAY 8

Ther.

Thunder shown 8.43 A.M. Remainder  
of day clear with strong N.W. wind.

Spent a.m. in museum putting out birds  
for an exchange with Rosse. Worked on  
Cambridge list after dinner. At 4 P.M.  
Miss Jordan & Miss Dimmick (our fellow  
boarders at Mrs. Sedgwick) came to take  
afternoon tea & see the collection. E.R.S.  
also came & called two young ladies from  
a cousin of Mrs. Sedgwick who are  
attending the summer school at Harvard.

Wea.

SAT. AUG. 9, 1902

Ther.

Brightly clear and rather cool with brisk  
N.W. wind.

C. Ida & I went to Concord by electric this  
morning, starting at 9.30. Dined at cabin  
& remained there until 4 P.M. when C. &  
I started for the farm. Spent more than  
an hour on the way going via Pine Ridge  
& Birch Field.

Walked about the place & down the road  
after supper. Spent the night at the farm house.

Wea.

SUNDAY 10

Ther.

Clear and warm with light S.W. wind.  
Clouds gathering in late P.M.

Starting at 9 a.m. with a horse & buggy  
borrowed from our neighbor Mrs. Hitchins.  
C. & I drove the Wissahickon (formerly Wright's)  
place at Fairhaven Bay. We drove up around  
the house where there is a low right bank.  
I also saw the bridge/wood across the  
river made about three years ago by driving  
a track & a great load of Black & White duck  
& roseate bills over. Received dinner at 12.30.  
Spent most of P.M. collecting frogs. I had  
lower Cole. frog brought from Count. E. Karl.

Wea.

MON. AUG. 11, 1902

Ther.

Wea.

WED. AUG. 13, 1902

Ther.

Cloudy with two tremendous thunder storms, the first 10.30 - 11 a.m., the second 1.30 P.M. A warm sultry day.

At 9.30 a.m. Hauseen down C. Gillette & me to Ball's Hill. After I had changed my clothes Gillette rowed us across the river and as I after working an hour for E.R.S., where we expect a man who did one offer, C. & I took an electric for Concord at the height of the first storm. The second came when we were during at the Harvard Restaurant on Divinity St. I spent P.M. finishing my work on the proofs.

Wea.

TUESDAY 12

Ther.

Wea.

THURSDAY 14

Ther.

Brightly clear with strong, cool N. W. wind.

Spent entire day in Museum working on proofs of Down Cala paper. They are coming fast now, two or three galley's nearly every day, and more than three quarters of the work is in type.

C. was gone in Boston & at Roxbury all day. She had a rather bad fall while hunting for a car.  
Hauseen brought down a load of wood & took back my Godefroid buggy.

Brightly clear & deliciously cool with light N.W. wind.

Spent most of the day working on proofs of Down Cala paper. At 4 P.M. Gillette & I went to the Botanic Garden where I exposed two  $6\frac{1}{2} \times 8\frac{1}{2}$  plates but the wind spoiled one of the pictures. C. joined me at 5.30 P.M. and we walked back together.

Wea.

THURSDAY 14

Clear but somewhat hazy, warmer with light N. W. wind.

The Down Cala. proof continues to grow in daily & with it I worked hard on it to-day, both morning and afternoon. At 4 P.M. Mrs. Teller, who is to sail for Europe on Saturday, called to say good bye. After seeing her I took a slow walk along the river past the hospital grounds & back by way of Elmwood, seeing a Kingfisher in Coolidge's Creek.

Wea

FRI. AUG. 15, 1902

Ther.

Clear but somewhat hazy & warmer with light S. W. wind.

The last of the gallery pieces of my Brown Cola. paper around last evening & Walter & I spent this forenoon on it. In the afternoon we worked on a lot of large pebbles which also came yesterday.

Wea.

SATURDAY 16

Ther.

Partly cloudy in A. M.; P. M. clear.  
Cool at morning & evening. Fifel N. W. wind.

Starting at 10 a.m. Gilbert & I took electric cars to Arlington; thence by depot carriage to Spring St. Then we tramped through the woods & fields to Rock Meadow keeping near the line of Marsh St. visiting many places that I have not been for years, hunting at the Spring near the cross-tie woods, exposing 12 5'x7' planes (one spalled) being a good many shale beds. Followed road from W. end Marsh St. to Woorly where we took electric trolley. A fine day & a good old fashioned trout

Wea.

SUN. AUG. 17, 1902

Ther.

56° min  
5.30 a.m.

Briarly clear with light W. wind.

Gilbert & I went to Concord by electric starting at 10 reaching Ball's Hill at 11. 45. After crossing river exposed three 4x5' planes at Ball's Hill. Went directly to farm walking through the woods via Davis's Hill & Bird Field. In P. M. rambled about the farm & pulled down brush & vines. Spent evening at Fairhaven. Had a long talk with Edwin Bourne in the evening. Brilliant moonlight. No night sounds from those of *Acantus mucronatus*

Wea.

MONDAY 18

Ther.

most of G. M. cloudy; P. M. clear. High W. wind

Spent a. m. working with Harrison & Pat. in the grove behind the old barn where we cut down a number of trees that were crowding the hickories & chestnut out the wood roads & paths. Found a good sized shell bark hickory the first I have seen on one road.

Dined at farm house. Went to Ball's Hill at 3 P. M. & met C. who had gone down to Groton on electric at W. Bedford returning to Concord with her.

Wea.

TUES. AUG. 19, 1902

Ther.

Cloudy with heavy showers in forenoon. Cool.

A broken, unproductive day. Worked on Cambridge Birds for an hour or two. When Octave Bangs called I stayed until 1 P.M. Roland Haywood came at 12.30 & went to dinner with me at the Sandies. He spent most of P.M.

Walter ill at home all day.

Wea.

WEDNESDAY 20

Ther.

Clear, calm, warm.

Before daybreak the strong odor of a Skunk penetrated our room through the open window. At 7.30 a.m. I found the animal in the area of N.E. end of house. He was about  $\frac{1}{2}$  grown & creamy white, very gentle, sleeping most of the time. I shall not disturb him. I have got a good photograph of him later in the day.

I spent the entire day reading page proofs of *Bonne Color Birds*.

Wea.

THUR. AUG. 21, 1902

Ther.

Partly cloudy with short thunder showers in P.M. Slightly warmer.

Spent day in museum working on introduction to Cambridge Birds. The Skunk still in cellar area sleeping quietly. Last night I threw in a dead Robin's kick by a cat on (in lawn) & this morning it had all been eaten.

At 6 P.M. May & George Dean, Walter & May, Miss Blatchford, Miss Jordan, Miss Dunwoody, E. R. S., Dr. Woodward, Sam'l Henshaw & Parker came to a pie-eat. Afternoons we four of them watched the Robins come in. We counted about 300. Also saw a Night Hawk, & singles & a Night Heron flying over pines.

Wea.

FRIDAY 22

Ther.

Partly cloudy with strong N.W. wind. Cool. Brilliantly clear with cool E. wind.

Spent most of day in museum working on introduction to Cambridge Birds.

At 10 a.m. met John E. Hayes at his office, 50 State St. Mrs. Frank Butwell joined us at 10.30 & we spent more than an hour discussing the publication of her late husband's M.S. on Birds New Mexico. Hayes will publish it. Returned to dinner at Mrs. Sandies & spent P.M. looking the final batch of heavy sheets of Birds of Color Region, Bonne Color.

Wea.

SAT. AUG. 23, 1902

Ther.

Partly cloudy with high, cool N. W. wind.

Spent most of day in Museum working on Introduction to Cambridge Birds. It advances very slowly for I am taking great pains with it.

In late P. M. called on Royal W. Thompson & asked him many questions about Cambridge in the days of his youth. He remembers many things clearly & gave me much valuable information. C. read a few in the evening.

Wea.

SUNDAY 24

Ther.

Brilliantly clear with light N. W. wind 54° at 5 a.m.  
Cloudy in P. M.

Pendle, Gilbert & I went to Concord by bicycle, starting at 9.30 a.m.

Concord - Cambridge - Belmont.

Wea.

MON. AUG. 25, 1902

Ther.

Early morning brilliantly clear. Three short thunder showers in P. M.

After breakfast Pendle & I explored the pine woods W. of Abbot Lawrence's. They are very beautiful. Lawrence's Boys showed us an old chestnut tree log he had seen in Concord.

Pendle left at 10 a. m. driving to Concord with Gilbert. I spent rest of A. M. working apple trees & plowing ground to be ploughed. Took electric for Cambridge at 4.30 P. M.

Wea.

SUNDAY 24

Ther.

Wea.

TUESDAY 26

Ther.

Clear with light S. W. wind; partly cloudy in P. M. Warm.

Gilbert & I spent day photographing about Rock Meadow. Took electric to Worley, followed Bear Brook to old Robin Hood, thence through pasture S. of meadow striking Old Hill to S. W. end of meadow where backed under maple. Thence around W. end of meadow & back through the Willows. Stopped before house in rocky pasture, saw Broad W. Hawk above in meadow, which calling hawk, heard & saw Prairie Falcon in older thickets near N. W. end road. Saw Red Sh. Hawk. Enlarged 10, 5x7 and 10, 4x5 plates. Home & studios in P. M.

Cambridge E. Watertown, Ipswich.

Wea.

WED. AUG. 27, 1902

Ther.

Clear & warm with light E. wind. Sky half filled at times with cumulus clouds.  
At 7.30 A. M. Gilbert & I took electric to Mr. Auburn. Entering the oak woods behind the Colgate Cemetery we visited the pond behind Mr. Auburn, French Hill & the mouth of Arrow Brook. Exposed four 5x7 plates. Retained by carriers via Central 8pm.  
Spent P. M. in Fresh Pond Swamps. Took train to Hills Crossing, then walked to Sunfish Pond & home through swamps. Exposed ten more 5x7 plates.

Wea.

THURSDAY 28

Ther

A. M. partly cloudy; P. M. brilliantly clear with light E. wind. A beautiful cool day.

C. E. R. S., & I went to Ipswich by 10.10 A. M. train. Drove to Woodbury's farm for hotel dinner. Emerton staying there photographing spider webs & rocks in his garden after dinner walked to area of pond hills & exposed ten 4x5 plates.

Started back on 2 P. M. riding the hill park N. of our light house whom I used to drive long ago.  
Reached town at 4.50 & took S. 32 train for Boston.

Wea.

FRI. AUG. 29, 1902

Ther.

Sunny and hot. Cool with light E. wind.

Spent day in Museum writing notes & letters & doing various other things. The plain frogs of Lower Col. now all gone back & Walter is working on golden frogs of d. box. Mrs. French & I went to Colgate in P. M. for dinner after visiting her Boscombe back. Almost no birds in Garden down Robins & Red-caps & a Cott bird.

Wea.

SATURDAY 30

Ther.

Clear with light S. W. & S. E. wind. Warm.

At 10 A. M. Gilbert & I started for the Coolidge farm, E. Watertown, taking the 6 1/2 x 8 1/2 camera. Exposed four plates one in woods behind Colgate Cemetery, two or three in rear of Mr. Auburn, one at bottom base of French Hill. Saw eight Purple Finches together near the pond. Spent P. M. writing up bird notes & journal for August.

Wea. SUN. AUG 31, 1902 Ther

Clear with light S. W. wind, very warm

Spent a.m. in the Museum writing up  
my bird notes for August.

Dined at the Thayers' with Mrs. Semmes,  
Loring, Mrs. Emerson, Miss Thayer & C.  
C. & I worked down together at 3 P.M.  
Had tea at home & counted the  
Robins coming in to roost, totaling  
580.

Wea. TUES. SEPT. 2, 1902 Ther.

Clear & very warm with light S.W. wind.

C. departed for Providence at 9 A.M.  
Mother & I spent forenoon at Mus. C. Zool.,  
finishing our task of selecting specimens  
there. Mr. Wilkes sent a box down  
from my own collection in P.M.

Wea. MON. SEPT. 1 Ther.

Wea. WEDNESDAY 3 Ther.

Clear with light S. W. wind. Still warmer 81° by

Walter & I spent entire day at  
Mus. Comp. Zool. picking out duplicates  
for a return & change with Dr. Finch  
of the British Museum. The bird room  
was suffocatingly hot & we got very tired.  
I lunched at the Harvard Restaurant  
on Divinity St. while it is now at 8  
to & leave the Mus. C. Z.

C. & I went to Mrs. Sanderson's to tea,  
for an hour together.

Clear and warm with light S. wind.

Spent day in museum working at  
various odd tasks & writing a number  
of letters. Picked out the running  
birds for the exchange with Dr. Finch.  
Walter finished his work to-day -  
he is evidently very tired. I went  
to Mrs. Sanderson for the night  
occupying the chamber over the  
post office.

Wea.

THUR. SEPT. 4, 1902

Ther.

Cloudy & offensively drizzling with  
showers at morning & in the mid-  
afternoon.

I have enjoyed Polley Sherman &  
two more to work in the garden  
but the rain spoiled my plans  
& we accomplished very little, working  
for only about two hours in the  
afternoon.

Wea.

SAT. SEPT. 6, 1902

Ther.

Clear & cool. Heavy frost last night killing  
most of the corn. Country snow white at sunrise

Dr. A. H. Collier on Miss Parker of New Haven  
& Miss Cushing of Cambridge at the hotel  
which has been unoccupied & remodeled & is  
now kept by a Mr. Ford.

Spent most of P.M. rambling about in  
the woods below the house with Dr. G. &  
Mugrew. Foliage still uniformly green & very  
fresh & luxuriant. Birds apparently scarce.

Wea.

FRIDAY 5

Ther.

Brightly clear with fresh N.W. wind.  
Frosty at evening.

Left Boston, alone, at 9 a.m. Sooth. Div. R.R.;  
and reached Beloit at 4.30 P.M. Mrs. Gehring;  
on train from Portland but I did not know it  
until after we reached Beloit when George Tammann  
met us at the station.

Found staying at the Gehring's, as follows;  
Mrs. Jacob Hiltner of Belmont, Mrs. & Mr.;

...., Miss Williston of Cambridge,  
Mr. George Mugrew, Frank Weller & George Hartman.  
Spent most of evening in parlor. Had a late  
cigar & after with Dr.

Wea.

SUNDAY 7

Ther.

Rained heavily last night & at intervals  
through forenoon. Most of P.M. dry. Warm.

Dr. A. H. Mr. Dooley & I walked to Paradise  
hill where we rambled about in woods & pastures.  
Had a sharp frost of blackberries. Found a  
great quantity of red pine seedlings 2 to 4 ft high.  
Saw a mixed flock of fully 75 small birds

..... & down a worn & worn shrub border  
Dr. P. H. drove to Main's Pond 3 m. beyond  
W. Beloit in deep hollow at foot of mountain.

It was about 5:30 in afternoon & rather coolly  
Saw numbers of Robins & Blabblers & some  
or few Phainopeplas.

Bethel - Andover, Me.

Wea

MON SEPT. 8, 1902

Ther.

Brilliantly clear with strong N.W. wind.

Spent most of the morning on the field to the S.W. of the house for tree planting, working alone all the forenoon, with the Doctor & Megew in the afternoon. There are to be a succession of openings surrounded by flooded woods with wood roads, foot paths etc.

Saw very few birds.

Wea.

TUESDAY 9

Ther.

Early morning clear & calm. Remainder of day cloudy with strong S.W. wind. Rain began falling at 7 P.M. & continued through night. Dr. Gehring, George Tarrascomb, George Megew & I left Bethel at 8.30 a.m. in a covered buck wagon drawn by a pair of horses.

Ran to Andover & thence through a beautiful wooded road to a house where we unhooked & fed the horses, made coffee & had lunch.

Kept on after lunch reaching Andover, Me., at 4.30 P.M. staying at French's Hotel.

Took a walk before supper seeing the river & going over a branch foot bridge owned by a Mr. Sulter. Bluestone & Chipping sandstone are along the roadside the river to Andover is at very nearly an

Andover - Bethel.

Wea.

WED. SEPT. 10, 1902

Ther.

Early morning, cloudy; remainder of day clear with strong N.W. wind.

We left Andover at 9 a.m. taking the road on the E. side of Ellis River to Remiped Point where we crossed the Androscoggin in a flat boat propelled by the current. A mile or two further on we stopped for lunch in a field sheltered by woods building a fire in a wood path just inside the woods. Found a hollow near the river bank that was filled with a bunch of stones one of them was to me. Continued on out over through a road that led over the E. slope of Mt. Farnell & reached Bethel at 4 P.M.

Wea.

THURSDAY 11

Ther.

Cloudless, warm, light S. wind.

Spent entire A.M. staking out winding driveways for planting in the field S.W. of the house, and Hellinger & his wife assisting me.

Wrote letters most of P.M. but the Doctor & I were down the gulf & discussed the plan for heating it, just before dinner. Prof. Miss Gilman of Cambridge arrived at the luncheon this evening. I called on Mrs. True in the evening,

South Yarmouth, Mass.

Wea.

FRI. SEPT. 12, 1902

Ther.

Clear & warm with light S.W. wind.

Left Boston by the morning train. George Farnsworth went with me so far as Portland connected at Union Station & took 12.45 E. dir. train for Boston. Took 4.49 P.M. train from Boston to Worcester where I spent night with C.

Wea.

SUN. SEPT. 14, 1902

Ther.

Bright & clear with strong N.W. wind.

In A. M. walked to Swan Pond with the Stones & Nelson Goodyear. In P.M. we all drove by Dennis where we had a fine view of the north shore of the Cape which stood out distinctly from Plymouth to Provincetown.

Wea.

SATURDAY 13

Ther.

Cloudy with light showers

Took 7.35 a.m. train for Cambridge. A. Vireo gilvus working & a Cotopaxi vireo singing feebly in trees near Worcester station.

Spent A. M. at Museum

Took 1.38 P.M. train for South Yarmouth where I am to spend a week with the Stones. Found C. B. Cory on the train & had a good talk with him.

Reached the Stones' about 5 P.M.

Wea.

MONDAY 15

Ther.

Brightly clear with strong N.W. wind. A light frost last night.

Will Stone left us for two days this morning to go to Boston & A. S. at 10 a.m. Mrs. Stone & I drove over to Great Island. We found there Mr. & Mrs. Cory, Mr. Jefferson (son of Joseph Jefferson) & Mr. Finley (a famous Scotch golf player). Cory took us over his new club house & drove us through the deer park. Saw seven elk. One of them fed from our hands. Dined at Mr. Cory's & drove home in P.M. I walked to Swan Pond alone & stayed there until 9 P.M.

Wea.

TUES. SEPT. 16, 1902

Ther.

Cloudless with steady N. wind.

Spent day on water with Carl Lewis  
a number of his friends in his yacht  
"Attila". Starting at 10 a.m. we sailed to  
Wiana (9 miles) where we landed on pier.  
At 2.30 P.M. the "Attila" started in a 12 m.  
race with the "Baracouta", a Wiana boat, which  
the boat by more than a minute. I kept in  
Started for home at 5.30. Water calm, moon full,  
beautiful sail ending in the light of a full moon.  
Saw 3 or 4 Terns, a White W. Scoter, a young Ring-necked  
Duck & loon.

Wea.

WEDNESDAY 17

Ther.

Clear with strong N.E. wind.

Spent A. M. in and about the house.  
Will Stone returned from New York at  
10.30 a.m.

In P.M. the Stones, Goodey & I  
walked to Jane's & Long Ponds. The  
former is small, the latter upwards of  
half a mile long. Around the shores  
of both Coop & his roses & Sabatia were  
abundant the former still in full flower.  
Saw very a few birds Chukla, a  
Towhee etc.

Wea.

THUR. SEPT. 18, 1902

Ther.

Pretty cloudy. Very heavy N.E. wind.

The Stones, Goodey & I drove to Cheatham  
(15 mi.) starting at 9.30, getting back at 7 P.M.  
Dashed on the bluff over the light house  
opposite rowed across the channel to  
the outer break where there was fishing.  
A few Lays, a Herring Gull & two Sanderlings  
on the break. During the drive down Bluff Road,  
Robins & Chipping Bird was heard & Bonner.  
Bonner was old-fashioned fashion on  
Driving Park.

Wea.

FRIDAY 19

Ther.

Clear and warm with strong N.E. wind.

Spent A. M. above the house exposing  
of 577 plates on various buildings  
in the neighborhood.

In P.M. the Stones, Mr. Goodey & I  
rowed up Bass River for about 5 m.  
It is a beautiful stretch of water.  
Saw many birds on the river.

South Yarmouth - Cotuit.

Wea.

SAT. SEPT. 20, 1902

Ther.

Brimmily clear with S.W. wind. Warm.

In A.M. drove with the Stones & Goodyear to the road leading to Great Island where I dug about 100 Blooming Star bulbs. There were acres of the beautiful plants still in bloom. Retraced through woods by way of Swan Pond.

Left the Stones at 3 P.M. & went by stage, train & buggy to Cotuit Harbor Mrs. & Mrs. Almy, Anna, Jessie, Baby, Abby & Miss Livermore of Cambridge, re. An hour.

Wea.

SUNDAY 21

Ther.

A.M. brilliantly clear; P.M. cloudy. Wind north-east.

In A.M. Almy drove me around Popomasset Point, a beautiful drive through woods & past old marshes & bogs. Many Star flowers. Seven Foot Blue Herons flying together. Tepitos abounding. Called on Mrs. Dowell & spoke with Dr. James Putnam. In P.M. sailed down the Bay, landed at Cotuit & photographed Mr. & Mrs. Whidgey's residence. Rowed much & very fast against tide getting in after dark.

Cotuit — Cambridge.

Wea.

MON. SEPT. 22, 1902

Ther.

Cloudy in A.M. P.M. sunny but hazy. Wind N.E. Rather warm.

Pink Warblers, Thrushes, Blarneybirds, Chiffchaffs & Crows about house in early morn. Pink Warbler singing, down quickly, & until Miss Livermore & I left by stage at 9 A.M. Work 10.30 home for Boston. Drove and ate lunch Station & got home at 1 P.M. Found C. at our house. Took tea at the Harbor with Mrs. Summons, Lucy, Miss Ferguson & C. Spent evening at Mrs' Scudder's.

Wea.

TUESDAY 23

Ther.

Sunny but hazy.

Spent most of day in the Museum writing letters etc. Look tea at Mr. Rogers' again this evening.

# Cambridge - Glendale.

Wea.

WED. SEPT. 24, 1902

Ther.

Cloudy with light rain in P.M. cooler.

C. & I took 10.45 A. M. train from Boston to Stockbridge where D.C. French met us & drove us to Glendale.

Soon after reaching his house we took a walk through the woods to the pasture. Autumn colors rich in swamps Ma. & Mrs. Bush & Mrs. Clark staying at the Frenches. In the evening Margaret French & two of her girl friends gave us a little play & talk by on studio.

Wea.

THURSDAY 25

Ther.

Cloudy, calm, cool.

In a. u. Dan, C. & I walked to the Knight farm, to Mr. Fitzwiss & to the place below our mill pond, returning over Dan's pine covered hill. Dr. P. H. Dan & I drove a bunch of steaks for tree planing. Still Dan C. joined, as we went to the pasture again.

Hans came late evening of Mr. Booth of Mrs. French's return to Phila.

Wea.

FRI. SEPT. 26, 1902

Ther.

Cloudy with N.E. wind and light steady rain.

C. & I took 10.21 train from Glendale to 12 noon train from Pittsfield to Boston. Reached Cambridge about 3 P.M. I spent night with Edna in our own house.

Robin roost in garden still figurured mighty bird by use one less birds.

Wea.

SATURDAY 27

Ther.

Cloudy with N.E. wind & steady rain.

Gilbert went to Concord this morning & I followed him by the 5.01 train from Arlington. It was nearly dark & coming heavily when I crossed the river. I intended spending the evening work at the Robin. The wolf fiboge is gorgous in the swamps & along the river.

Wea.

SUN. SEPT. 28, 1902

Ther.

Utterly cloudy & clear with a  
light shower in P. M. very huffy.

Spent a. m. floating a lot (one  
(or) of floating star birds that  
I got at So. Yarmouth a week ago.  
Scattering them widely in cloudy  
openings over Bear Hill. Also  
planted down golden asters.

Wrote to the farm in P. M.

Wea.

TUES. SEPT. 30, 1902

Ther.

Precisely like that of yesterday.

Took 8.13 a. m. train for Cambridge  
Found C. at the house & saws.  
Walter & Karl later. C. went to the  
Thayer's at 10 a.m. & I called him  
at 12.30. Dined at Howard Restaurant.  
Bought an old air-tight stove at Brooks'  
for \$3.00 & ordered a school stove both  
are for the Museum. Returned to Concord  
by electric racing about 4 P.M.

Wea.

MONDAY 29

Ther.

Cloudy with light N. E. wind &  
fine mist. Little rain at intervals.

Spent the day alone in the woods  
walking a lot of two to six cords -  
down Cedar. Went to H. Davis Hill  
in A. M., to Davis' Hill &  
Pine Ridge in P. M. Pat began  
work to-day. I sent Horace  
to Cambridge with a load of  
wood. He is selling them at \$16  
a cord.

Wea.

WED. OCT. 1

Ther.

Cloudy with N. E. wind and continuous  
rain - very heavy in late afternoon.  
This is the 8<sup>th</sup> cloudy day (since Sept 23)

Spent day at farm with Pat & Hansen.  
Working in the wood shed where we piled  
the old wood to make room for about  
3 cords of birch cut last Spring.  
There were lots of birds in the trees  
& often orchard - Bluebirds, Chipping, a  
Robin, Song Sparrows, Wrens etc.  
Went back to cabin at evening in a  
very heavy rain.

Wea.

THUR. Oct. 2, 1902

Ther.

Sunny most of day, dead calm & oppressively warm.

Spent day at farm picking grapes, pears & apples with the men. Went in the canoe as far as Birch Island & came through the woods. A mahogany table, an old yarn winder, two old mirrors & a pair of curtains that I bought at S. Germaruth last month reached the farm to-day.

Wea.

FRIDAY 3

Ther.

Brilliantly clear with light W. to N.E. wind.

Spent the day at farm working both ways. Pat & Hansen were cutting & stooking corn. I worked all P.M. "swamming" a new wood road through woods east of footers. Birds very numerous.

When I reached the cabin about dark I found Wambath there. He is trying to raise some money to start in business in Washington. I could not help him.

Wea.

SAT. Oct. 4, 1902

Ther.

Clear with light N. to N.E. wind. Cooler with a frosty feel in the air at sundown.

Spent A.M. "swamming" a new wood road in Prescott's pines near the border of the Barrett farm. Dined at the farm. The men finished "stooking" the corn to-day. In P.M. worked in the Pulpit Rock woods, on the road begun yesterday. Gilbert clean shaven to town in P.M.

Wea.

SUNDAY 5

Ther.

Cloudy with light S.E. wind & heavy rain in P.M.

At day break heard a Gr. Blue Heron & a fay of Liquid calling. The Heron seemed to be flying very low down.

Went to farm in A.M. & picked apples with Hansen, getting about 2 lbs. of fine large Baldwins. Spent P.M. in the Blakemore woods marking trees for cutting. The only wild creature I saw was a Gray Squirrel & a Porcupine.

Wea.

MON. OCT. 6, 1902

Ther.

Early morning cloudy & showery.  
Remainder of day clear with S.W. to  
W. wind. Oppressively warm.

Walked to farm at 8 a.m. by  
way of Bensons & the Bonnet oaks.  
Returned at noon through Prescott's  
pines & over Davis's Hill.  
Spent day with Howard & Pat.  
Picking & sorting apples of which  
we have a good crop this year.  
Dinner &combe & fine covered grapes  
at the farm. Chilled esp. wine.

Wea.

TUESDAY 7

Ther.

Brimmily clear & just pleasantly warm  
with fresh W. wind.

Spent day at farm picking apples.  
With Pat & Hansen. We have about  
7 bushels in all. Left the cabin at  
8 a.m. going by way of Davis's Hill.  
Returned at noon through the  
Bonnet oaks & past Bensons.

Bought 3 carders & 3 baskets  
of a travelling vendor & ordered  
a mail box of Holden to be sent  
from Derby soon delivery Oct. 15.

Wea.

WED. OCT. 8, 1902

Ther.

Brimmily clear with fresh N.W. wind.  
Much cooler.

Spent day at farm Howard began  
work there this morning. He, Pat & I  
planted a lot of bulbs in front of  
the house & worked a number of hours  
in the flower garden. A shot was fired  
in the rear about 10 a.m. Hansen & I  
rushed to the spot & found two men &  
aeller dog. They gave their names as  
E. S. Chapman, 77 Mass. Ave., Arlington &  
C. R. Whital, 19 Avon Place, "

Wea.

THURSDAY 9

Ther.

Early morn. Cloudy & threatening. Remainder  
of day brimantly clear with strong N.W. wind.

To farm at 8.30 a.m. spending an  
hour on the way working out plans for  
weed roads through Bonnet oaks.

Spent most of day working with the  
lawn men. Prepared planting beds  
for wild flowers, borders etc. Cleaned  
the cabin & along the lane. Also worked  
over the old shot. Returned to Bots'  
hill via Birch & Green Fields & Davis's Hill.  
It was dark when I reached the cabin.

Wea.

FRI. OCT. 10, 1902

Ther.

Brightly clear with light N. wind  
a slight frost last night.

Spent day at farm. In A.M.  
pruned apple trees behind house. In  
P.M. made a clearing in woods  
in rear of barn cutting practically  
everything down hickories.

Went to farm in morning via  
Davis's Hill & Prescott's Pines. Retired  
at evening through tall woods & past  
Benton.

Wea.

SATURDAY 11

Ther.

A. M. sunny but hazy. P. M. cloudy;  
Began raining at 5 P.M. Light frost  
last night. Wind S.W.

Spent day at farm working it on  
foot via Benton & South Woods,  
returning through Birch Field & around  
Davis's Hill.

In A.M. cleared up debris behind  
house. In P.M. cut a road from  
Burgold's to lower meadow. Only  
Pot & Harrow worked to-day.  
House was not faring well.

Wea.

SUN. OCT. 12, 1902

Ther.

Raining now at Q.M. with strong  
N.E. wind. Clear dead calm & very  
warm in late P.M.

W. Faxon came up by electric this  
forenoon and stayed until 9 P.M.  
We walked to the Farm in the  
afternoon. Edward & Mrs. Emerson,  
Eliza Emerson & Bennett Forbes  
called at the cabin about noon &  
spent nearly an hour. Mr. Emerson  
read us an interesting account of  
an ancient Beow dam at Jeffrey D.H.

Wea.

MONDAY 13

Ther.

Clear & of unusually warm with  
strong S.W. wind. A heavy fog  
early this morning.

Worked all day at the Farm  
with Pot & Harrow cutting down  
trees along the lines of wood  
woods finishing the cutting behind  
the barn & advancing down  
distances into the woods east  
of the pasture. In the latter  
we cut a great number of large  
gray Birches.

Wea.

TUES. OCT. 14, 1902

Ther.

Early morning cloudy. Remained at home all day clear with light W. wind. Rather warm at noon with open cars running on the street railroads.

Took 8.13 a.m. train to Cambridge. Found C. at home very tired & miserably with the care & worry of getting it in order for the winter. Spent time with her in morning room. Handed together above a load of wood. A professor of ripe & delicious grapes in the garden returned to Concord by 5.01 P.M. train.

Wea.

WEDNESDAY 15

Ther.

Brilliantly clear with fresh W. wind, rather cool.

Spent day at farm going & returning via Benson's. All three of the men worked at hauling out the brush which we have made recently in cutting wood woods. Nancy took it in the farm wagon to the garden where it will be buried later.

I am getting many letters in acknowledgment of "Birds of Con. Region." Some in very opposition.

Wea.

THUR. OCT. 16, 1902

Ther.

Clear & warm with fresh W. wind.

Spent day near Ball's Hill. In early morning the men cut down some trees in front of the new cabin. We then went to Barrett Meadow Woods & cut out a new pair of wood rods. Shot firing all a.m. on Dalton's Hill. In early P.M. they began behind Holden's Hill. For all however there & found five. Italians shooting at small birds. They were quite enough & went off when I ordered them to do so. Later I saw a man make a depth shot at a pair of Black Ducks at Beaver Dam River. He killed both instantly.

Wea.

FRIDAY 17

Ther.

Clear with fresh N. wind. Cooler.

Took 8.13 a.m. train for Cambridge. Found C. at home & much better. I spent a.m. & luncheon Thurs. Had a feast of ripe grapes in garden. It was also with White-throated Sparrows. The Robin roost still frequented by a few birds. Concord 35 last night.

Were in town at 1.30. Bought 2 pairs shoes at Tuttle & a suit clothes at Macmillan's. Ordered coat away from Smith. Received a parcel by 4:47 train from Boston. Raymond Burns spent night at cabin.

Wea.

SAT. OCT. 18, 1902

Ther.

Cloudy with light S. E. wind. A slight shower in early morning.

Went to farm for day. Put up a lot of fresh traps before begins in woods. In P. M. worked with Houston & Post harvesting corn. Indian corn. The loss by Squirrels, Rats etc. is less than on Abenaki, probably not over 10%. Regained control with ease at first.

Wea.

SUNDAY 19

Ther.

Clear & uncomfortably warm with high S. W. wind.

In early A. M. planted a lot of seeds. Will Stone arrived unexpectedly on his bicycle at 10 a. m. & spent day & night. At noon Mr. Brown of Concord & his son called. a little later Hubert & Helen came. At 3.45 P. M. Will & I started for town. In roadway just above Brewster's landing found a handsome well-dressed young couple reclining on bank hiding from sunburn. On another bank they had made a bower of hucklebushes stripping them of my first young trees.

Wea.

MON. OCT. 20, 1902

Ther.

Thunderous thunder shower about 4 a. m. Day subsequently clear with fresh N. wind. Will Stone departed at 8.30 a. m. C. arrived by electric at 11 a. m. I met her at Mr. Heath's & we crossed the river & dined at the cabin. In the afternoon we walked to the farm where we are to stay for several days.

Wea.

TUESDAY 21

Ther.

Pretty cloudy with violent N. wind. Much cooler.

In A. M. G. & I took a walk through the woods on the farm. In P. M. we went to the river through Presover's prairie, thence to Birch Island & back through Brownings wood road, by Alluvial life stirring. C. read to us in the evening. We had big open fire blazing in all the rooms one no warmer heat.

Wea.

WED. OCT. 22, 1902

Ther.

Bitterly clear. Water & the surface of the ground froze last night but a soft S. W. wind started soon after sunrise & the day was deliciously warm.

In A. M. C. & I walked to Ball's Hill via Prentiss' farm & Davis's Hill returning past Benson's & through the oak woods. In P. M. we drove to Concord with old Chassey & called at an Emerson's singing both Mr. & Mrs. E.

Wea.

THURSDAY 23

Ther.

Cloudy with light rain in the early morning. Wind light from the S.E. & N.E.

C. left me at 10.20 a.m. Gilson drove her to Concord where she came to Cambridge by chelias. She went & I bound a lot of birch brush in the pasture in P. M.

Wea.

FRI. OCT. 24, 1902

Ther.

A. M. clear & warm. P. M. cloudy with high S.W. winds. Heavy clouds from early this morning & ground again frozen.

Spent A. M. working with the men in the bushes below the pasture. We took out a lot of stumps & Hanson carried wood to the wood shed on Herbale Knoll. H. M. Spelman arrived as usual on his bicycle returning to Cambridge at 3.30. He walked to Birch Field after dinner.

Wea.

SATURDAY 25

Ther.

Clear with raging N.W. wind. Warm enough forenoon, cool at evening.

Spent day working with the men in the woods which lie between the cow pasture & Birch Field.

We cut out a wood road completely through them & furnished it the greater part of the way. Birds scarce. Saw two flying Gulls & heard a Gr. Horned Owl hooting just before sunset.

Wea.

SUN. OCT. 26, 1902

Ther.

A. M. Clear; P. M. cloudy with  
chill E. wind.

Took a short walk after breakfast.  
Will & Alice Stone arrived at 10.30.  
We walked to Bowmen's Woods before  
dinner. In P. M. we went to Ball's  
Hill via Davis's Hill. When we were  
at the cabin George Hayes & Miss Roberts  
came up ride in a canoe & landed  
for a few minutes. It was dark when  
~~we reached the forge. The Stones spent the~~  
~~night at the farm house.~~

Wea.

MONDAY 27

Ther.

Cloudy & mild with soft S. W. wind.  
The sky cleared just before sunset.  
Spent A. M. working with an  
axe on a new road through Birch  
Field, carrying it through to Prentiss' pine.  
Albert & Gerold Thorpe arrived  
at noon. After dinner we walked  
to Ball's Hill via Davis's Hill.

The sun was setting while we were on  
the cabin of the woods & ran down  
& back again. Retraced our steps  
through Bowmen's Woods and  
running home after dark.

Wea.

TUES. OCT. 28, 1902

Ther.

It rained heavily through the night  
& in Toronto all the G. H. the sky  
clearing about 4 P. M. from S. W. wind.

Spent A. M. in harbor of farm house  
talking with the Thores. They departed  
at 11.30 A. M. Spent P. M. working  
with the men. We cleaned out the  
new barn & the cows went in  
the old house. Took a short  
walk over the farm in evening.

Wea.

WEDNESDAY 29

Ther.

Clear & cool with high N. W. wind.

Left the farm at 7.15 & took 8.13  
train to Cambridge. Spent A. M. at  
Museum & went in town at 1 P. M.  
Dined at Parker's, laid on a new  
caraway seed at Smith's, visited at  
Walker & Proctor & disposed of a bill  
& will C. at N. Union Hobin at  
3.20. We took 3.30 train to Ancaster  
where we spent the night at  
Dequidet's. He took us to dinner on a  
cowboat with his pair of new bay horses.

Wea.

THUR. OCT. 30, 1902

Ther.

Clear with chill N. W. wind.

C. Ada & I went to Melrose in a. m. taking train to Harvard & electric trolley. Dined at Minnie's & afterwards called on Uncle Harry & Sophie & at Aunt Abby's where we saw Clara. We also saw Charlie Hayes & Warren Gould, all seemed fairly well.

Returned to Andover in late P.M., reaching Concord's after dark.

Before breakfast this morning C. & I called on Constantine Fuller

Wea.

FRIDAY 31

Ther.

Clear with light N. wind, cold at morning & evening.

C. & I left Andover at 8.26 A.M. & reached home about quarter of ten. Spent day, seeing various men & arranging things for our move. Knob has leveled for new house & less work. I have agreed to pay him \$60. per month to May 1<sup>st</sup>. Sam Peasy & examined a cow stable on Concord Ave. Walter D. in & don't want him

Wea.

SAT. NOV. 1, 1902

Ther.

Clear & cool with light N. wind.

Gibbet & I went to Concord by 8.34 A.M. train taking "Dairy". H. M. Spelman met us at W. Bedford & we crossed river together. Walked directly to farm where we are to stay. Spelman & I spent P. M. cutting out a new wood road through Person's & Brown's, Howard working with us. Howard & Pat were hauling one bush manure. In evening Harry & I sat by the fire in the parlor & talked.

Wea.

SUNDAY 2

Ther.

Clear with light S. W. to N. wind. a perfect day just pleasantly warm

In A. M. Harry & I walked along the road to the Smith farm thence to the river & back through Lawrence's woods. In P.M. we struck off to the water road passing through Abbott Lawrence's pine woods to the Bigelow road & beyond. Examined the old oak in which a Bear is said to have been killed. It is, I think, the largest white oak on Concord Harry secured for Concord at 6.30 P.M.

Wea.

MON. NOV. 3, 1902

Ther.

Cloudless with light S.W. wind; -  
a typical Indian summer day

In A.M. we put up the new mail  
box for rural delivery at entrance to  
Bungalow. Also cut a few trees in  
front of house & a number near the  
spring. Spent afternoon working  
on the new wood road from Bush  
Field to Benson's. Two Iru Crickets  
(Acrotho nivens), chirping shortly after  
noon. Heard a Pitterings Hylas in P.M. They  
have been singing silent this autumn.

Wea.

TUESDAY 4

Ther.

Brightly clear & dead calm most  
of day. Heavy white frost this morning.

Spent day working with the men  
on Pine Ridge returning to farm for  
dinner. We cut down a number of trees,  
chiefly pines & Hansen hauled a  
few loads of wood & brush. Besides  
a lot of green pine branches. Late  
in P.M. we cut down some oaks on  
Davis' Hill. About 8 A.M. I saw a  
wonderful rainbow in Benson's pasture  
on the ground which was covered over  
with snow.

Wea.

WED. NOV. 5, 1902

Ther.

A.M. cloudy with dense fog up to ten  
o'clock. P.M. sunny & warm with light  
S.E. to S.W. wind.

Spent entire day at Davis' Hill  
with Hansen, Pat & Howard. We cut down  
a considerable number of small oaks &  
cleared the ground of fallen branches  
cutting the good wood to ten cords that  
on Hawkback Knoll, the debris to a  
burning place in Benson's pasture.  
Julia's iron kites were covered this  
A.M. She has closed her house for the winter.

Wea.

THURSDAY 6

Ther.

Cloudy & misty with occasional brief  
showers of fine rain. Bright, warm  
S.W. wind.

Spent day on farm working with  
the men. In A.M. we removed all the  
corn 192 bushels from the box stall  
into which the rats have found access &  
after burning their holes we put the corn  
back again. In P.M. burned two big  
brush fires, one in the brick opening &  
of the pasture. The other in the Report  
opening. Saw almost no birds.

Wea.

FRI. NOV. 7, 1902

Ther.

Clear with high N.W. wind. Morning very mild, temperature falling steadily through day, even cold.

Spent entire day over farm iron supervising work. Benson & Hansen were ploughing, Howard "carpentering" in the barn, Pat sawing wood & clearing up the wood shed, Gilbert white washing the walls & ceiling of the back room.

All together a very busy day. I had only a short walk in the woods - a Birch Field in the early morning.

Wea.

SATURDAY 8

Ther.

A. M. sunny but hazy with cold N. wind.  
P. M. brilliantly clear with E. wind.

Spent A. M. working with the men at the farm. We moved a lot of things including several loads of hay & corn fodder.

In P. M. went to Ball's Hill with Hansen & Pat. Took down the last load of green birch wood, put away the big boat for the winter etc. Mrs. Howard was brewing on demand.

Wea.

SUN. NOV. 9, 1902

Ther.

Cloudy most of day with light N wind. Ground frozen at sunrise; midday mild.

Spent most of A. M. going over farm with Hansen, laying out future work. Joe Flomley called to arrange about painting the farm wagon.

Called on Mr. Howes after dinner seeing Mr. & Mrs. Howe & the two sons. They are all simple, kindly people.

Took a short walk in Pulpit Rock woods in late P. M.

Wea.

MONDAY 10

Ther.

Brilliantly clear & almost uncomfortably warm with light N.W. wind

Spent A. M. at farm putting the final touches on the preparations for the winter. Went to Ball's Hill directly after dinner & worked there a couple of hours with Gilbert & Hansen. Pat & Howard were across the river carrying the roof of the boat house. Gilbert & I took the 4.20 P. M. for Cambridge bidding good bye to Concord for this year. Found C. at home. I went to Mrs. Sanderson's for supper.

Wea. TUES. NOV. 11, 1902

Ther.

Brightly clear with cool dry air &  
almost no wind.

Spent day in Museum working on  
various odd things. Took all my meals  
at Mrs. Gendron's. No callers.

Wea. THUR. NOV. 13, 1902

Ther.

Cloudy with light N.E. wind and fine  
rain at intervals. An intensely chilly day.

Spent A. M. at Mus. Comp. Zool. L. worked  
down with me. Saw Dr. Mark, Dr. Woodworth &  
Hudson

Wrote letters in Museum in P.M.

Wea. WEDNESDAY 12

Ther.

Cloudy & mild with occasional light thaws.

Starting immediately after breakfast C. & I  
walked up Affilieu & Highland Streets to  
Edmonton. Many Herring Gulls drifting eastward  
towards Fresh Pond. A Thriller in oak  
on Highland Street.

Spent day in Museum. took letters  
in A. M. Between Bouys called  
in P.M. A Chickadee, Titmouse,  
N. Bellied Nuthatch, Tit-tit & White Thr.  
Sparrow in the Garden.

Wea. FRIDAY 14

Ther.

Clear & rather warm with light S.W. wind

Walked to Fresh Pond with C. after Breakfast.  
There was imposing show of Geese fully 1000/  
floating on the water & well scattered but only  
35 Black Ducks. With the latter were two  
fin & Red-heads in full plumage. I could  
distinctly see their blue, black-tipped bills through  
my glass at about 200 yds. About 10% of the Geese  
were immatures. Among them was a single  
fin ad Black-back. Two Pilekies & 3 Crows  
in Hemlock Grove.

Wea.

SAT. NOV. 15, 1902

Ther.

Wea.

MON. NOV. 17, 1902

Ther.

Sunny & mild. Early morn. foggy.

Started for Washington by 9 a.m. train with Walter, Marge, George & Mary Dean. Miss. Mrs. Putnam of Cambridge & Miss Russell of Boston in car with us. Found New York enveloped in a pall of black sooty coal smoke. It spoiled the beauty of the trip by water around the city. Reached Washington at 11 P.M. on an hour late. Sage found us at new station. C. did not go

Wea.

SUNDAY 16

Ther.

Clear & very warm - real Indian sun

Called on Mr. Putnam & Lewis Stark at 10 a.m. at Arlington and then on one Went alone to Zoo at 10 30 & spent about 3 hours. Fine collection & great flying cages for birds. Good bear den. Saw lots of Broods & a pair of Lefthandlets. Heard a Carolina Tit singing & a Cardinal singing. Called at Merriam's at 3 P.M. & on the Bayleys at 5 P.M.

Cloudy with chill N. E. wind.

Council meeting at Merriam's 10 30 a.m. to 3 P.M. Present Merriam, Dr. Wright, Allen, Chapman, Cory, Sage, Stone, Roberts, R. Dean, Fisher Nelson, Dutcher & Ridgway. Good & pretty lunch served at 2 P.M. Dined at Richmond. Business meeting 8 30 - 11 30 P.M. at Merriam's Putnam, besides Council, Barnes, Cook, T. Palmer, Miss Palmer, Brooks, Bishop everything went smoothly. Old offices reheld.

Wea.

TUESDAY 18

Ther.

Cloudy with strong N. E. wind & rain in a. m. First day of public meeting at the May Hall to left of entrance. Merriam ill at home & Cory in chair all day. Slim attendance in a. m., the hall nearly filled in P.M. Some good papers & fine lantern slides on P.M. A lot of associates present. Talked with Oberholser, Dr. Ralph, Miss Dayan etc. Had a dinner with Ridgway, Cory & Bishop in Smith golden in late P.M. Went to reception at ex-Senator Henderson's 8 30 - 11 P.M.

Wen.

WED., NOV. 16, 1962

Ther.

Wear.

FRI. NOV. 21, 1902

Ther.

Sunny & mild with light N. wind.

Spent day at meeting at the Waukon.  
Attendance large & papers exceptionally  
good. At 5 P. M. went to afternoon  
tea at Mrs. Polton's (Secretary Wash.  
Avoc. Soc.). Dined at hotel at 6.30 -  
& at 8.15 went to hall (Columbia University)  
to meeting Avocation Society. Surgeon Gen.  
Stembury presided. I sat on platform with  
Lucas, Dreher, Stone, Chapman & Mrs. Polton.  
Read a memorial paper from Prof. Dr. Hume  
at 10 P. M. Sat up with R. Dunn, Dreher & Roberts  
until 12 P. M.

Wea.

THURSDAY 20

Fher.

Char & mld.

Dinner meeting at 9.30 a.m. Union  
meeting at 1 p.m. Finance  
Committee in Div. gallery. Met  
of the members of A. S. U. went  
to Florence Bradley's home in afternoon  
to see Fowler's drawings. D.  
and Mrs. Hunter Nelson to dinner with  
us at the Redwood. H. stayed with  
Widener, Driscoll, Roberts & R. Dorem.  
Left us at 10 P.M.

Cloudless, calm, very warm for season.

A. O. U. & Audubon Societies invited a visit to  
in A. M. I went with Mr. Fisher, Fisher & Thos. Palmer  
at 10.30. About 15 assembled at Park office where  
we were presented to Rep. Drayton. He made  
us a short & brief speech & deplored. Lt. Frank Baker,  
Mrs Baker & two others whom I do not know.  
I explained my trip & showed off my animals.  
They also gave us a lunch, over which Mr. Palmer  
Ridgway & I returned to the city & went to  
Smithsonian where we saw the Room held a short  
session. Dined with the Museum at 6.30.  
The Alpines & Gibbons (over 2 Carolina Wrens in  
full song at the Zoo)

Wear.

SATURDAY 22

Ther.

A.M. clear & calm; P.M. cloudy; evening  
rainy.

George Deane Sage & I left N. for home by  
7.45 a. m. train (Colonial Ex.). We  
reached Boston about 8.30 P. M. - Saw S.  
shortly after we got in. I read most of the  
time on the cars. Howard-ole & the four  
gowns at New Haven Depot crowded -  
Saw Five Crows between Washington & Phila.  
No Doves on Longfellow or Bush Rose  
& no Hawks on pasture. Total expense of my  
trip about \$70.00

Wea.

SUN. NOV. 23, 1902

Ther.

Clear & cooler with passing N. W. wind.

Wrote to Dr. Johnson church at 11.30 a.m.  
8.30 a.m. wrote letters in afternoon.

In P.M. C. & I visited Belvoir. Gordon  
& I worked at the Russell's, Colcloughs  
& Champs.

A Blue Jay, Chickadee, Nuthatch &  
Dove in the (our) garden.

Wea.

TUES. NOV. 25, 1902

Ther.

Cloudy, calm, mild.

Spent entire day in Museum  
working at miscellaneous tasks.

C. went to Birmingham in P.M.  
A Blue Jay (screaming) the only  
native bird noted in the Gordon.  
Walter returned from Washington  
yesterday & resumed work to-day.

Wea.

MONDAY 24

Ther.

Cloudy & mild with strong S. W. wind.

Spent most of day in Museum writing  
letters etc. C. & I worked to Colclough's  
green house just after dinner & bought  
a few house plants. Hauser came  
down with a load of wood in A.M.  
Howard also called & I paid him for  
6 1/2 days work down for I left Gordon.  
A Blue Jay was screaming loudly in  
the Gordon this morning. I don't see  
Golden crests, them being up the day.

Wea.

WEDNESDAY 26

Ther.

Cloudy with strong N. E. wind and  
incessant driving sheets of fine rain.

Spent day in Museum writing  
letters etc. In late P.M. worked  
to Howard Square with C. We  
bought a few house plants at Colclough's  
& selected down lamps for two new electric  
lights in the museum. See light on at  
4 P.M. after which I had my hair  
cut & combed down above.  
Chas. R. Hatch called at 8 P.M.  
bringing his big wolf & 6 vols. on Bridge Birds

Wea.

THUR. Nov. 27, 1902

Ther.

Like that of yesterday with raw N. E. wind  
& steady downpour of fine rain.

Having a trifle time couple I spent  
the entire day in the house with C.  
who had ~~had~~ been from the "Virginia"  
at intervals. It is a rather good story  
of dinner winter. Diving, Mr. Barrett,  
& Harry Purdie ate Thanksgiving dinner  
with us at 7 P.M. Playing until 9 P.M.

Wea.

FRIDAY 28

Ther.

Clear with brisk, cool N. W. wind.  
The thermometer has not fallen below  
30° thus far this autumn & the  
Cambridge lawns are still more or  
less fresh & green as they were in September.  
There are but few birds about, a  
Blue Jay visits the garden daily &  
Chickadees & Kinglets are, few.  
Days. Gulls fly over head and now &  
Spart day in Museum cataloguing  
my collection of photographs with Geltner.  
Walked to Mrs. Anderson's after  
dinner.

Wea.

SAT. Nov. 29, 1902

Ther.

Clear & cool with strong N.W. wind 24° min

Spent most of day in museum cataloguing  
over my collection of photographs with Geltner.  
Walked to Elmwood with C. after breakfast  
returning along the river. Heard a T'belin  
on the Cambridge farm.  
John Lawrence brought down 1½ cords  
of grey Concord wood.  
Bessy & Louise Allen & Mr. Barrett dined  
with us at 6 P.M. We all went to the  
Dorriobie Club Boston. Play very poor.

Wea.

SUNDAY

Ther.

Sunny but hazy with light N. W. wind 40° min

C. & I walked to Fresh Point at 9 a.m.  
64 Black Ducks, 2 Red-heads, above 700 Gulls  
& a Brunnich's Murre in the Cove. Waller  
a little earlier counted upwards of 2400 Gulls  
& saw a gray heron which I missed.  
The Murre is the first ever reported for this  
locality. I worked in the morning & chafed  
it exceedingly. Waller took it to the doctor  
again in the late afternoon.  
Waller & Morgan dined with us. C. wrote  
a Basle & I wrote letters in P.M.

Wea.

MON. DEC. 1, 1902

Ther.

Clear with light W. wind. Ther. 30° min.  
rain & sleet coming turned to snow on the  
nights & the trees & ground were white this morning  
for the first time this autumn. Fresh Pond  
Walter Deam & I walked to Fresh Pond  
at 8.30. Found 54 Black Ducks, 2 Red-heads  
a. g. Mallard & about 200 Geese in the Pond.  
No signs of the Mute or Bonapart yesterday.  
With Gilbert I started for Concord by electric  
at 11.15 a. m. We crossed the river in a boat  
having to break ice 1/4 inch thick on which bright  
of the boat canal. Took lunch at the cabin  
& walking to the farm where I saw Hutton  
Started 5 Partridges & saw Chickadees, Flycatchers,  
a Drury & a Blue Jay. As we were returning saw a  
Great Blue Heron alighted by the canal. Took a 20  
train home. This morning at just 8 o'clock George  
was a freshly killed down this evening. He says he killed  
it on Long's Bay his Balsams. Willow Owl hooted  
Wea. TUESDAY 2 Ther.

Clear, calm, mild - all the snow gone  
in exposed places by noon.

Spent cold day in Museum writing  
letters etc. The express brought me a few  
young Whistling Swans hatched at Newburyport  
Mass. Mr. Wendell of that place found it  
in a forsaken flock & learned it from  
a 3.00 I sent it & the down killed  
yesterday to Argall & Cash of Providence  
by morning.

Roland Haywood called on P. M.

Knight only bird seen in garden today

Wea.

WED. DEC. 3, 1902

Ther.

40° - 48°

Cloudy, calm, mild; light rain in A. M.

Spent most of day in museum working  
on letters & bird notes. At 2 P. M. found  
Collected in garden, in & about hemlocks, 2  
Chickadees, 2 Golden-crowns, 1 Creepie, & White-  
bellied Nuthatch, & Canada, Nuthatch, & Downy  
& several Gray Sparrows while Herring Gulls were  
drifting high overhead. Saw in air a Pectoral  
was calling & later a Crow carrying

Went into Boston at 4 P. M. Called at  
Smith's to try on a suit and bought two  
pairs for C.

Wea.

THURSDAY 4

Ther.

Sunny but hazy, calm, mild.

Walked to Fresh Pond at 9 a. m. Found  
there about 800 Geese, 106 Black Ducks  
& 2 Red-heads. Most of the ducks were  
in Concord Neck & some of them within  
a rod or less of shore. Saw a ♂ Sparrow Hawk  
fry from one of the large oaks in the grove.  
Saw a few Sparrows over jumping blossoms.

Meeting visiting Com. Miss Comp. Took. 11 a. m.

Precise and D. Folsom, D. W. Knobell & myself.  
After meeting had interview with Mr. Folsom  
spent P. M. at my residence. Harold Bowditch  
called. Hansen brought down wood of wood  
etc. etc.

Wea.

FRI. DEC. 5, 1902

Ther.  
22 mm

North-east snow-storm, heavy  
through A.M. ceasing about 3 P.M.  
about 6 inches falling.

C. & I walked to Mt. Auburn at 9 A.M.  
Spent day in Museum working on  
letters & copying notes. Examined skins  
of Great Yellow-Legs sent by Dr. Bishop  
for comparison with my J. m. fuscari &  
with him at length about them.  
No birds, no callers. Attended meeting  
"N. E. Bot. Club" at 8 P.M.

Wea.

SATURDAY 6

Ther.

10°  
18°

Clear & cold with light N. wind  
Good shooting.

Went in town at 10.30 A.M. to attend  
annual meeting Rod & Gun Club at  
Rev. Hinckley's office. Only six present.  
Called at 35 Congress St. & saw Estabrook.  
Returned to Cambridge at 2 P.M. & lunched  
at Divorce De. Restaurant.

At 4.30 P.M. C. & I drove in to the  
Sam'l. Colot's to attend "coming out" reception  
for Mary & Helen Almy. A great crush there  
Miss Howard, Mrs. Winsor & E. R. S. were  
with us at 7 P.M.

Wea.

SUN. DEC. 7, 1902

Ther.  
8°

Cloudy with snow storm from 10 a.m. 28°  
to 3 P.M. about four inches falling

To St. John's Church with C. at 8.30. After  
service we walked around the Common.  
On way back saw a Chickadee, 2 Kinglets & a  
Creepie on Craigie St. & 1 Chickadee on Brattle St.  
Roland Hayward. dined & spent afternoon.

Wea.

MONDAY 8

Ther.

20°  
30°

Partly cloudy with violent N.W. wind;  
a cheerless, harsh day.

Spent a. m. copying notes from C. R.  
Banks' journal covering the period of his  
activity as a collector, 1881-1885.  
It contains much of local interest & value.  
C. & I walked to Mt. Auburn just after  
dinner. Heard Chickadees & Kinglets at the  
gray place. On returning found 2 Chickadees,  
2 Kinglets & a Creeper in Mr. Gordon  
Mrs. Post Estate. Harold Bowditch &  
Howard Turner collected in P.M.

Wea.

TUES. DEC. 9, 1902

Ther.

- 10° at  
daybreak

Clear & intensely cold with  
high N. W. wind.

At 7.30 G. & I drove to the post office & voted.  
We then took 8.13 train for Boston & 9 A.M.  
train for Portland where we arrived at 1.50  
(2 hours late). Went to Lafayette Hotel where  
we met & conversed with Dr. Gehring.

Started for Boston at 6.20 P.M. getting in  
at 10.13 & taking 10.20 train for Cambridge.  
all trains late. Engines covered over with snow.  
Sole engine covered everywhere with clouds of  
smoke. Then - 20° at Boston this evening.

Wea.

WEDNESDAY 10

Ther.

20°

Cloudy & chilly with snow & sleet

36°

Spent most of day in museum  
writing. Abbott Thayer called about noon  
to help us put together the pieces of the  
Pelecanus Woodpecker nest I saw on Monday  
last June. He & Gerald cut down the tree  
& the next hour broke through a hole.

At 4 P.M. attended meeting Anderton  
Lect. at Mrs. Cobati's. Present Hoffmann,  
F. G. Allen, Mrs. Elliott, Miss Hall, Miss  
Richards.

Wea.

THUR. DEC. 11, 1902

Ther.

24°

Cloudy & chilly. Snow began  
falling at evening continuing well into  
the night, adding about 4 inches to the  
depth of the body already on the ground.  
Spent a. m. in museum finishing  
the copying of bird notes from Barnard's  
journal. Went to Boston in P.M. &  
had a wonder. of teeth-fried. Also  
did some Christmas shopping.  
A Robin & a Blue Jay visited the Garden.  
The former flew from the Postman's  
of his which is crowded with reprints.

Wea.

FRIDAY 12

Ther.

18°

another gray, cheerless day.

24°

Worked from morning to night on  
an obituary notice of J. C. Merriam  
for January Antk., making fair progress.  
Two Robins appeared in the Garden  
about noon. The Gray Squirrels  
are keeping close hid. I do not  
see one in these days, on the  
average.

The coal famine becomes more acute.  
Few houses in this neighborhood are fully  
heated now. It is almost impossible to  
get coal, even soft coal.

Wea.

SAT. DEC. 13, 1902

Ther.

18°

10°

Snowing, heavily at times, from  
8 a.m. to 7 P.M. about 6 in falling.  
Wind strong from N. E.

Spent day in Museum working  
on obituary notice of J. C. Merill for  
Auk. No callers, no birds,  
C. & E. R. S. spent day in town at  
Christmas shopping.

Wea.

SUNDAY 14

Ther.

8°

20°

Clear with N. wind

To church at St. John's with C.  
at 8.30 a.m. afterwards called at Mr.  
Thayer's. Spent rest of A. M. writing  
letters. Will & Alice Stone, Walter &  
Margie Dean dined with us at 1.30.  
We had possum. very good - fat -  
not overdone however.

Wea.

MON. DEC. 15, 1902

Ther.

20°

Early morning clear - less of snow,  
cloudy with E. wind.

Spent a.m. working on obituary of C. M.  
Went in town at 2 P.M. & heard  
a tomtit replied by Dr. Knobell. C. & I  
walked to Mr. Abbott's after breakfast.  
Saw 6 Chickadees & a Cuckoo at Elmwood.  
Horned Chickadees in the Garden at 3 P.M.  
Saw about 15 Starlings & 100 Grackles - was told there  
a Blue Jay heard in the Garden by Walter & a  
pair of Nuttall's seen on the front chimney. G. C. Dean  
hosted Club meeting this evening.

Wea.

TUESDAY 16

Ther.

34°

Cloudy with strong N. E. wind 50°  
and incessant heavy rain lasting  
well through the following night.  
C. & I walked to Phelps Place just  
after breakfast. Returning I spent  
the day at my desk in the Museum  
working on the Cambridge bird.  
No callers until 2 P.M. when  
Miss Edith Thayer came bearing a  
young man said to be the collector.  
The only bird seen in the Garden  
was a Titmouse.

| Wea.  | WED. DEC. 17, 1902 | Ther. |
|---|--------------------|-------|
|   |                    | 40°   |
| Early morning cloudy; remainder of day clear & mild.  |                    | 36°.  |
| When the storm began yesterday we had fallen 18 inches of snow. This morning the ground was bare in many places & the exposed grass on the lawns bright emerald green.  |                    |       |
| C. & I walked to the Auburn open brookfoot. Spent a little working on Cambridge Drive. Dr. P. H. Orman Bangs & F. B. Mc. Keehnie called buying birds to identify. Went in town with Mr. B. H. <u>not</u> C. at Oak Hill Cafe at 77 helped them. Also met Mrs. Lee. Evening at P. H. Fair last night took by Mr. Davis at Colorado Casino. |                    |       |
| Wea.  | THURSDAY 18        | Ther. |

Walked to Mr. Auburn with C. just  
after breakfast. Spent day on  
Museum working on Cambridge Birds.  
No calls. Heard two red & singlets  
in the Garden, Kinglets & a White tail.  
Nuthatches at the Gray place saw a  
Crow at Elmwood. Gray Squirrels once  
again drive the wood warbler away.  
The "We Dine" Club met at our house this  
evening. Present -

| Wea.   | FRI. DEC. 19, 1902 | Ther. |
|--|--------------------|-------|
|  |                    | 24°   |
| Clear, Calm, rather wind.  |                    | 44°   |
|  |                    |       |
| Wrote letters for 2 hours after breakfast.<br>Spent remainder of day in town shopping<br>for Christmas. The stores were not yet<br>closed and I accomplished my task<br>rather easily. Dined at Young's and<br>called on our office. At 4.30 P. M.<br>changed my clothes at the Athletic Club<br>at 5.15 C. & E. R. S. called for me in<br>a carriage & we down to Bay, Algoma where<br>we attended Margaret Morris' coming out party<br>at 6.30 dinner at Ryndbank with Robert Haywood.<br>Home again by 10 P. M. |                    |       |
| Wea.   | SATURDAY 20        | Ther. |

Spent entire day in Museum  
working on the Cambridge dist.  
I am still busy curving & interpolating  
& have begun the long &  
difficult interpolation. C. work  
is provided for Mr. Dr. G. will  
have Ruth.  
No rollers. Heard Monkads in  
the Gordon. The Geels have ceased  
flying over J. wood. Fresh Point nearly  
two weeks ago.

|   |                    |       |
|---|--------------------|-------|
| Wea.  | SUN. DEC. 21, 1902 | Ther. |
|   |                    | 23°   |
| Cloudy with drizzling rain through the day & a heavy downpour in the evening & through the following night. | 38°                |       |

C. & I attended morning service at St. John's at 8.30. Afterwards she went to the Thayers' & I walked to Elmwood with "Larry". Spent most of a.m. writing letters. Roland & the Campbells dined with us at 1.30, Sam Houston called early in P.M. & Purdie spent the evening.

|  |                     |       |
|--|---------------------|-------|
| Wea.   | TUES. DEC. 23, 1902 | Ther. |
|  |                     | 28°   |
| Clear & cooler with strong N.W. wind. Ground frozen stiff. | 30°                 |       |

Spent day in Museum working on Cambridge Birds. Walked to Coolidge's Green house just after dinner to order some flowers for Christmas.

Judy Churchill called at Museum at 5 P.M. bringing a live *Buteo lineatus* female which was caught by a policeman in Dorchester. 2 Chickadees, a Nuthatch & a Golden-crown in the Garden.

|  |           |       |
|--|-----------|-------|
| Wea.   | MONDAY 22 | Ther. |
|  |           | 53°   |
| Clear, calm, mild. Practically all the snow gone this morning & the grass everywhere green. Roads muddy & ground apparently free from frost. | 40°       |       |

Spent day in Museum working on Cambridge Birds. Walked to Coolidge's green house just after dinner. Seals drifting over Common's Fresh Pond.

A T-Bird in the Garden.

Council of N.O.C. met at Museum this evening to consider publishing my Camb. Birds

|      |              |       |
|------|--------------|-------|
| Wea. | WEDNESDAY 24 | Ther. |
|      |              | 13°   |

Clear, calm, cold.

Spent day in Museum working on "Cambridge Birds" No callers. A Crow alighted in the Garden & a T-Bird spent some time there in the early morning.

Wea.

THUR. DEC. 25, 1902

Ther.

25°

Cloudy, intensely chilly, snowing from 10 a.m. into the night, firm dry snow at first, later damp snow, about 6 in. in all.

C. & I attended service at St. John's at 8.30, never called at the Haynes', finally walked to Elmwood. Returning called at the Almy's where I stayed until 1 P.M. C. & I dined alone at 1.30. E. R. S. came up at 5 P.M. & we spent and hours together. My best ones were Almy's "Drapery" books from John S. Haynes, a pair of "London" along shorts from Wal. Simons. C. Harry & Helen also & their two Boston at 6.30 by heard a superb rendering of the Messiah.

Wea.

FRIDAY 26

Ther.

28°

Cloudy, calm, mild. Trees, shrubs, 34 woods, everything out-of-doors - heavily snow laden this morning. A beautiful day - about passed through the day & there was nothing, wind nor sun to spoil it.

I was out with the 6' ½ x 8' ½ camera & Gilbert to help from 9-10.30 a.m. exposing & prints out over the house.

Wrote on Cambridge Birds ~~list~~ of Gull & in P.M. with Christmas gift birds.

Wallin & Son. Harrold & Son & G. Cardwell Grosbeak in the Garden at 8.30 a.m. in a snow ledge the within 15 feet of my

Wea.

SAT. DEC. 27, 1902

Ther.

23°

A mixture what was what in birds &c., Clear & calm. The wonderful snow foliage still unchanged.

Gilbert & I took two more pictures with an big camera just after breakfast. Spent most of a.m. on the Common's birds beginning the English Sparrow. My cousin Mr. Brown came at 12.30. At 1.15 P.M. went in town w/ Mr. Walter & Margie Brown, Emily Hayward & Mrs. Robinson joined us on the Park Street where we saw "erryman", a wonderful religious play of ancient English origin.

Wea.

SUNDAY 28

Ther.

8°

Clear, calm, cold. The snow still clinging to every branch & tiny mammals as yet by eaten out or down. I have never known it to persist so long before.

C. is laid up with a lame knee & we could not go to church to-day. I worked to the Academy after breakfast & with Gilbert through the forenoon.

Had Golden-cats at 2 places on Brattle St. this evening at the Gray house & in corners opposite the trees place.

Wea.

MON. DEC. 20, 1902

Ther.

12°

Early morning clear. Remainder of day cloudy with light rain at evening.  
40°

Walked to the Gray place after breakfast.  
Spent remainder of day working on  
the House Sparrow for Cambridge Birds.

George & Bessy Jefferson, Waller, Margin,  
George & Henry Deacon dined with  
us this evening at 7.30, Mary Griswold  
also came to dinner & spent the night.

No callers at Museum save Huber Howe.  
Most of the snow fell from the trees today.  
Gilbert put up feed in two hours for the birds.

Wea.

TUESDAY 30

Ther.

Clear, mild, windless. Snow  
much settled by last night's rain &  
blowing fast all day but a few slight  
slips gliding down at evening.

Worked through forenoon on the  
Cambridge Birds. Walked to Botanic  
Garden & through Waller & Stappard Dr  
after lunch. John E. Hooper called  
by appointment at 2.30 P.M. to  
talk over Brewster's book. He stayed  
until 4 P.M. C. still confined to  
room by lame knee. A Solitary Chookadee  
the only bird visited in the garden.

Wea.

WED. DEC. 31, 1902

Ther.

22°

38°

Clear, calm, rather mild

Walked nearly to Elmwood after breakfast.  
Spent forenoon & early part of afternoon  
working on Cambridge Birds. Dr. P. M.  
called at Dr. Wyman's & saw Morris, his  
father (90 years old) being still driving.  
Afterwards called on Mr. Spelman to ascertain  
how about early conditions in Cambridge. He  
informed tell me very little. Mrs. Morris  
& C. E. S. lunched with me. C. is still  
confined to the upper floor by his lame knee  
A Thrush after a Tanager in the Garden.

#### NOTES FOR 1903

Remember

Jan. 28, Feb. 9, Aug. 31, Oct. 5 - C. F. B.

MEMORANDA

MEMORANDA

MEMORANDA

MEMORANDA

Subscriptions

Comb. Ass. Charities \$10. paid Jan 20, 1902

| Name | WAGES<br>Engaged | When Due | WAGES<br>When Paid | Amount |
|------|------------------|----------|--------------------|--------|
|------|------------------|----------|--------------------|--------|

LETTER REGISTER

Name

Received

Answered

LETTER REGISTER

Name

Received

Answered

| ADDRESSES       |   | ADDRESSES |           |
|-----------------|---|-----------|-----------|
| Name            | Residence   | Name      | Residence |
| A. B. Carr      | 973 Dawson St. between<br>Beach & Union Ave. N.Y. |           |           |
| Harold Bowditch | 13 Foxcroft House, Camb.                          |           |           |
| R. A. Gilbert   | 14 Stott St. Cambridge                            |           |           |

## VISITS

## VISITS

| Name | Address | Reception Day | Visit Received | Visit Returned |
|------|---------|---------------|----------------|----------------|
|------|---------|---------------|----------------|----------------|

MEMORANDA

Date

Dolls. Cts.

MEMORANDA

Date

Dolls. Cts

BILLS RECEIVED

| Date | Name | Dollars. Cts. | Date | Name | Dollars. Cts. |
|------|------|---------------|------|------|---------------|
|------|------|---------------|------|------|---------------|

BILLS PAYABLE

Bethel, Maine

~~Bird List Cash Account - JANUARY 3 -~~

| Date   | Received                                       | Paid |
|--------|--|------|
| Jan. 3 | Chickadee - (5) in gray birches in comp. with  |      |
| " "    | Lesser Redpoll (22) eating gray birch seeds in |      |
| " "    | Downy Woodpecker - One in apple orchard        |      |

|  |
|--|
| Chickadee (2), (5), (6) with a <u>Sitta can.</u> |
| Hudsonian Chickadee - one with " "               |
| " 4 " Golden-crest Kinglet - (2) " "             |
| Canada Nuthatch - 3 with (6) Chickadees          |
| Lesser Redpoll (5) in birches over               |
| Can. Ruffed Grouse. One bird started             |

|                                       |
|---------------------------------------|
| Chickadee (3) at upper end            |
| Golden-crest (2) (hd) (hd) in balsam. |
| Canada Nuthatch 7 or 8 in balsam &    |
| Pine Grosbeak (8) ad & ♀, In alder    |
| Crossbill ♂ sang without pausing      |
| Blue Jay 1 seen 2 heard               |
| Pileated Woodpecker 1 " another " ♀   |
| Can. Ruffed Grouse Fresh tracks in    |

|                                   |
|-----------------------------------|
| Chickadee (4) in birches mixed    |
| Pine Grosbeak Call - more heard   |
| Lesser Redpoll (20) es. in bushes |
| Can. Ruffed Grouse. Two different |

Bethel, Maine

~~Bird List Cash Account - JANUARY~~

| Date | <u>Woods below house</u>                             | Received | Paid |
|------|--|----------|------|
|      | Redpolls. Very silent - would not answer phone call. |          |      |
|      | comp. with Chickadees. Only 2 rosy-breasted ♀'s      |          |      |
|      | near house.  |          |      |

Glen Woods

|   |
|---|
| (3) with a <u>Parus</u> head. a <u>Sitta can.</u> & 2 <u>Reg. Sclater</u> |
| & Kinglets & 3 Chickadees in mixed gray birches & balsam                  |
| 1 P. head. " " " " "  |
| ♀ in eastern floor with Chickadees & Kinglets                             |
| women. Call with heard in Glen Woods.                                     |
| f. snow, tracks of others seen in several dry places.                     |

of our chasing among gray birches  
woods along logging road  
beneath along logging road & in old yellow birches at comp.  
swamp on logging road hopping about on ice, 2 a super bird  
about 1 min. an exquisitely droll, tender voiced song  
along logging road  
" " " (one in yellow birch woods  
on hill above loggers camp)  
a dozen different places along the logging road.

seen balsams in woods below house.  
high in air over " " "  
apparently eating seeds in " " "  
trails found in snow in " " "

Bethel, Maine

Bird Lise CASH ACCOUNT — JANUARY

| Date    | Received                                 | Paid                   |
|---------|--|------------------------|
| Jan'y 7 |  |                        |
|         | Chickadee . . .                          | (12) + 1 P. hudsonicus |
|         | Hudsonian Chickadee 1; in fly, alive.    |                        |
|         | Canada Nuthatch (1) " " "                |                        |
|         | Golden-Crest Kinglet " ad. in woods      |                        |
|         | ? Brown Creeper hds. (get note hds.)     |                        |
|         | Pine Grosbeak (1) Solitary bird          |                        |
|         | Lesser Redpoll hds. near tin house.      |                        |
|         | Arctic Three-toed Noddy 3 in woods below |                        |
|         | Can. Ruffed Grouse. 1 located in         |                        |
| " 8     | not a bird of any kind.                  |                        |
| " 9     | English Sparrow. a flock of about        |                        |

Bethel, Maine,

# Bird List - Gannett - January

| Date   | Received | Paid |
|--|----------|------|
| in arborvitae in Glen Woods                                      |          |      |
| " " " "  |          |      |
| " " " "  |          |      |
| below house ② in Glen Woods                                      |          |      |
| twice in balsam woods below house                                |          |      |
| assured my call & alighted on top of pine near me. I             |          |      |
| { Could not see colors against sky                               |          |      |
| house. Spent $\frac{1}{2}$ hour digging into top of balsam stub. |          |      |
| Glen Woods - as white as a Hawk "                                |          |      |

CASH ACCOUNT—MARCH

Date

Received | Paid

CASH ACCOUNT—MARCH

Date |

Received | Paid

## SUMMARY

Received

Paid

Cash on hand Jan ,

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

Total

Balance to new account

## Calendar for 1903.

| JUN. | MAY. | APRIL. | MARCH. | JAN. | 1903 | SUN. | MON. | TUE. | WED. | THU. | FRI. | SAT. | SUN. | MON. | TUE. | WED. | THU. | FRI. | SAT. |
|------|------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |        |        |      |      | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 5    | 6    | 7    | 8    | 9    | 10   | 11   |
|      |      |        |        |      |      | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 12   | 13   | 14   | 15   | 16   | 17   | 18   |
|      |      |        |        |      |      | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 19   | 20   | 21   | 22   | 23   | 24   | 25   |
|      |      |        |        |      |      | 25   | 26   | 27   | 28   | 29   | 30   | 31   | 26   | 27   | 28   | 29   | 30   | 31   | .    |
|      |      |        |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |
|      |      |        |        |      |      | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
|      |      |        |        |      |      | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
|      |      |        |        |      |      | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 16   | 17   | 18   | 19   | 20   | 21   | 22   |
|      |      |        |        |      |      | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 23   | 24   | 25   | 26   | 27   | 28   | 29   |
|      |      |        |        |      |      |      |      |      |      |      |      |      | 30   | 31   | .    | .    | .    | .    | .    |
|      |      |        |        |      |      | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 1    | 2    | 3    | 4    | 5    | 6    | 5    |
|      |      |        |        |      |      | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|      |      |        |        |      |      | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 13   | 14   | 15   | 16   | 17   | 18   | 19   |
|      |      |        |        |      |      | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 20   | 21   | 22   | 23   | 24   | 25   | 26   |
|      |      |        |        |      |      | 29   | 30   | 31   | .    | .    | .    | .    | 27   | 28   | 29   | 30   | .    | .    | .    |
|      |      |        |        |      |      |      |      |      |      |      |      |      | 30   | 31   | .    | .    | .    | .    | .    |
|      |      |        |        |      |      | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 1    | 2    | 3    | 4    | 5    | 6    | 5    |
|      |      |        |        |      |      | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|      |      |        |        |      |      | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 11   | 12   | 13   | 14   | 15   | 16   | 17   |
|      |      |        |        |      |      | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 18   | 19   | 20   | 21   | 22   | 23   | 24   |
|      |      |        |        |      |      | 29   | 30   | 31   | .    | .    | .    | .    | 25   | 26   | 27   | 28   | 29   | 30   | 31   |
|      |      |        |        |      |      |      |      |      |      |      |      |      | .    | .    | .    | .    | .    | .    | .    |
|      |      |        |        |      |      | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 1    | 2    | 3    | 4    | 5    | 6    | 7    |
|      |      |        |        |      |      | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 8    | 9    | 10   | 11   | 12   | 13   | 14   |
|      |      |        |        |      |      | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 15   | 16   | 17   | 18   | 19   | 20   | 21   |
|      |      |        |        |      |      | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 22   | 23   | 24   | 25   | 26   | 27   | 28   |
|      |      |        |        |      |      | 29   | 30   | 31   | .    | .    | .    | .    | 29   | 30   | .    | .    | .    | .    | .    |
|      |      |        |        |      |      |      |      |      |      |      |      |      | .    | .    | .    | .    | .    | .    | .    |
|      |      |        |        |      |      | 31   | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    |
|      |      |        |        |      |      | .    | 1    | 2    | 3    | 4    | 5    | 6    | .    | 1    | 2    | 3    | 4    | 5    | 6    |
|      |      |        |        |      |      | 7    | 8    | 9    | 10   | 11   | 12   | 13   | .    | 6    | 7    | 8    | 9    | 10   | 11   |
|      |      |        |        |      |      | 14   | 15   | 16   | 17   | 18   | 19   | 20   | .    | 13   | 14   | 15   | 16   | 17   | 18   |
|      |      |        |        |      |      | 21   | 22   | 23   | 24   | 25   | 26   | 27   | .    | 20   | 21   | 22   | 23   | 24   | 25   |
|      |      |        |        |      |      | 28   | 29   | 30   | .    | .    | .    | .    | .    | 27   | 28   | 29   | 30   | 31   | .    |

Use two Heroin tablets as a dose, three, four or five times a day, as needed.

2) Continue use of Thiamin once a day, one teaspoonful in glass hot water as long before breakfast as possible, for about two weeks.

3) The application of Irom Ulycine. If pharynx is largely might be made once or twice a day, as long as needed.

4) If throat does not continue to improve, resort to the green capsules of Colchicine, taking one every hour, or two every two hours, with twice with a glass of water, until from 8 to 12 are taken a day, continued for two days.

5 - The Ichthyol for the wrist, twice a day,

and got back a co. bill to account with and  
I have a job to wait wif a  
job & am subject to an annual  
to take the men in sufficient numbers  
work of about a thousand men per  
year  
and  
have got a community of  
about 1000 people company to  
below at just as much as  
enough to support the rest  
period of about 8 years at a time  
4.60  
+ .60  
6.60  
6.5  

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59.5

Wotherspoon Watering first 2.

